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Summary of British Columbia Herring Biological Sampling Data for the 1996-97 Season

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Nanaimo, British Columbia
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ABSTRACT

Hamer, L., and P. Midgley. 1997. Summary of British Columbia herring biological sampling data for the 1996-97 season. Can. Data Rep. Fish. Aquat. Sci. 1030: 97 p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity states of herring samples combined by geographical area, time period, gear type, and source are tabulated for the 1996-97 season. Tables are given for two geographical groupings: statistical areas and herring sections.

Key words: herring samples, age composition, geographical groupings.

RÉSUMÉ

Hamer, L., and P. Midgley. 1997. Summary of British Columbia herring biological sampling data for the 1996-97 season. Can. Data Rep. Fish. Aquat. Sci. 1030: 97 p.

Ce rapport présente la répartition par âge, la taille moyenne et le poids en fonction de l'âge, la proportion par sexe et l'état de maturité de l'harengs chantillonnés en 1996-1997, par région géographique, période de l'année, genre d'engin de péche et provenance. Les tableaux sont divisés en deux regroupements géographiques : zones statistiques et sections d'harengs.

Mote-clés : harengs échantillonnés, répartition par âge, regroupements géographiques

INTRODUCTION

Biological samples of herring are collected and processed annually for length, weight, sex, maturity, age, gonad weight, and gonad length. This information is used in stock assessments, and for determining stock characteristics. Additionally, it is useful to fishery managers located along the coast of British Columbia. The information presented here is for the 1996-97 herring season which extends from July 1, 1996 to June 30, 1997. This report summarizes biological characteristics by different gear and source types, as well as different levels of geographic aggregation. The smallest level of aggregation is by herring section (Figs. 1 - 6), which is a subdivision of Statistical Area. Stock assessments are conducted at a region level of geographic aggregation (Fig. 7).

Biological characteristics of individual fish collected annually since the 1950-51 season are maintained on computer files. These files provide a 47-year series of data accessible for analyses and modelling.

METHODS

The two main sources of biological samples are the roe herring test fishing program and roe herring fisheries. While a major objective of the test fishing program is to provide support for fisheries management, a secondary objective is to collect biological samples throughout the geographic range of herring spawning aggregations. Test fishing operations are conducted to ensure that the vessels are available before and during the main spawning run in each area. Roe herring fisheries are the main source of commercial samples. Fisheries for roe herring are sampled with the goal of collecting ten samples from each seine fishery, and six samples from each gillnet fishery. A sampling plan is designed for each fishery to ensure that the sample series collected accurately represents biological characteristics of the entire catch in time, gear distribution, and space for each gear type.

Additional commercial samples are collected from the fall food and bait fisheries, which are currently very small both in quota and in numbers of vessels eligible to participate (e.g. 11 vessels in the fall 1996 fishery). Consequently, each vessel participating in this fishery is expected to provide a biological sample from their catch.

As well as commercial and test fishing samples, small numbers of research samples are collected by Department of Fisheries and Oceans (DFO) vessels, and occasionally by chartered commercial vessels throughout the year. Samples with source code "4" (other) are collected from various sources that do not fit into the categories described above.

In most instances biological samples are frozen on board vessels and shipped to the Pacific Biological Station where they are processed following standard procedures described by Hamer (1989). Data codes are presented in Table 1.

Gonad maturities are classified according to a modified Hjort maturity scale (Table 2). Female roe maturities in the data summaries are defined as:

Immature	- Hjort stages 1 - 4
Mature	- Hjort stages 5 - 6
Spent	- Hjort stages 7 - 8.

Fish classified as immature in estimating the sex ratio are those whose gonads were not sufficiently developed for sex determination.

DATA COMPILATION AND SCREENING

The biological sample information from each sample is entered directly into a computer as the fish are processed, using a data entry program. The data are subsequently screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean +/- 2 standard deviations). Anomalies are listed, and the associated data checked for possible errors in recording or coding. Gonad length and weight relationships are determined, and values outside of a range of 3 standard deviations from the mean are deleted.

AGE DETERMINATION

Age determination is based on the number of annuli on the scales. Herring ages are reported using the "year of life" convention. That is, fish in their first year are designated as age "0+". Herring "birthdays" are considered to be at spawning, and not on January 1, as is the convention for many other fish species.

A revised system of aging herring has been used since the 1987-88 season. Before that season, a fish was either assigned an age or was classified as unageable. With the revised aging system, the option of two possible ages was used when it was difficult to positively determine the age. At present there is no optimal procedure for incorporating these data into age composition estimates, so they continue to be treated as unageable. Therefore, the age compositions in this report are based only on fish for which a single age was assigned.

RESULTS

BIOLOGICAL SAMPLING AND AGE COMPOSITIONS

In the 1996/97 season 240 test fishing samples, 50 roe fishery samples, 37 "other" samples, 12 food and bait fishery samples, and 5 research samples were processed, bringing the total number for the season to 344 (Table 3). Thirteen seine vessels and four gillnet vessels were chartered to help manage the 1997 roe herring fisheries through hydro-acoustic surveys, test fishing, and spawn surveys. Details on the distribution of effort, and number of samples collected by chartered vessels are provided in Table 4. Roe fishery samples were collected from seine fisheries in areas 7, 14, and 23, and from gillnet fisheries in areas 4, 7, and 14 (Table 6). The Nuu-chah-nulth Tribal Council (NTC) collected 27 samples using a hand purse seine net, as part of a study designed to compare the characteristics of these samples with those of regular seine caught test fishing samples. Test fishing vessels collected 10 samples from spawn on kelp ponds, on an opportunistic basis. Food fishery samples were taken from areas 13 and 17. Research samples were collected by the W.E.Ricker during a study of herring year-class strength and production off the west coast of Vancouver Island.

Age compositions for samples from the test fishery, and the seine and gillnet roe fisheries are summarized by section in Table 5.

The following types of information, with associated table numbers, are summarized in this report:

Codes for sample data	Table 1
Maturity stages for Pacific herring	Table 2
Listing of samples processed	Table 3
Charter vessel information	Table 4
1997 age compositions	Table 5
Roe herring fishery summaries	Table 6
Data summaries	Tables 7 - 14.

The data summaries include various groupings of samples by geographical areas, gear types, and source types. Each summary contains information on the age composition, the average length and weight at age, the sex ratio, and the maturity stages of the combined samples in that report.

ACKNOWLEDGMENTS

The Fish Ageing Unit at the Pacific Biological Station determined the ages. J.O.Thomas and Associates Ltd. collected the roe fishery samples, and Tideview Services processed all samples.

REFERENCES

Bowers, A.B., and F.G.T. Holliday. 1961. Historical changes in the gonad associated with the reproductive cycle of the herring (Clupea harengus L.). Mar. Res. Scot. 5: 16 p.

Hamer, L. 1989. Procedures for collecting and processing British Columbia herring samples. Can. Manuscr. Rep. Fish. Aquat. Sci. 2030: 27 p.

Table 1. Codes for British Columbia herring sampling data.

A. Gear		B. Source	
19	Gillnet	0	Roe fishery
29	Seine	1	Bait fishery
20	Salmon seine	2	Research - inshore
21	Other seine	3	Research - offshore
70	Beach seine	4	Other
50	Other trawl	5	Test Fishery
59	Herring trawl	6	Food Fishery
01	Other	7	Reduction Fishery

C. Preservation		D. Sex	
0	Frozen	1	Male
1	Fresh	2	Female
2	Salted	3	Unknown
3	Other		
4	Brined		

Table 2. Maturity stages for Pacific herring (adapted from Bowers and Holliday 1961; Parrish and Saville 1965). These descriptions are intended as general guidelines. Length of time samples have been frozen, thawing time, and different handling procedures may alter the colour of the gonads. Therefore, the texture of the gonad is also used to assess maturity. The timing description is also a general guideline due to the wide range in spawn timing on the British Columbia coast.

Stage	State of Maturity	Gonad appearance	Description	Timing
I	Undeveloped	Thread-shaped	Virgin herring with small gonads, less than 2 mm broad. Accurate macroscopic determination of sex not possible. Fat is visible in the body cavity.	Year-round for young herring usually less than 150 mm in length. (However, some herring as small as 125 mm may have mature gonads.)
II	Starting	Ribbon-shaped	Gonads increased in breadth to 3-5 mm. Sex determination difficult. Testes reddish-grey coloured and knife-shaped. Ovaries reddish-wine coloured and bullet-shaped at tip. (The gonads of virgins and some repeat spawners cannot be differentiated macroscopically.) Fat is visible in the body cavity.	Late spring and early summer.
III	Developing	Tube-like	Gonads thickened, increased in breadth (5-15 mm) and elongated, but not extending full length of body cavity. Ovaries red to reddish-orange, granular in appearance, and bullet-shaped at the tip. Testes reddish-grey, smooth in appearance, and knife-shaped.	Usually late summer to early fall, but may extend into winter and early spring.
IV	Maturing	Prominent	Gonads extend full length of body cavity. Ovaries reddish-orange to yellow; eggs distinguishable, opaque, variable in size and separate. Testes mostly grey, firmer, and will ooze milt if sliced with a knife. Blood vessels often clearly visible in the	Usually late fall and winter, but may extend to as late as March. (Slightly earlier in males than females.)

Table 2 (cont'd)

Stage	State of Maturity	Gonad appearance	Description	Timing
			variable in size and separate. Testes mostly grey, firmer, and will ooze milt if sliced with a knife. Blood vessels often clearly visible in the ovary and testes walls.	females.)
V	Mature	Bulging	Few or no blood vessels visible in gonad walls. Walls of body cavity thin. Ovaries gold-yellow, firm and will often break into sections. Eggs mostly transparent and uniform in size. Testes usually milk-white, soft and plump; and milt will flow under pressure.	Mid-winter to late spring.
VI	Ripe	Running	Gonads do not hold their shape. Ovaries look and feel gelatinous. Segmentation is lost. Eggs are transparent and sticky to the touch. Testes runny, and have a curdled appearance. Milt flows easily without external pressure.	A few days prior to spawning (usually in late winter to spring).
VII	Spent	Baggy	Gonads slack. Sex determination difficult. Ovaries may contain a few residual eggs. Testes limp and bloodshot. Body wall thin and no fat present; blood in body cavity.	Spring for the first few weeks following spawning.
VIII	Recovering	Compressed	Gonads wide-coloured and usually longer, fuller and not as slack as Stage VII. Blood vessels prominent. Little or no fat in the body cavity.	Late spring and early summer.

Table 3. Biological sampling information by statistical area, herring section, and location for the 1996 - 97 season

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	239	FINGER BANK +	01	96	07	31	59	3	0	100	90
17	172	MAUDE ISLAND	02	96	11	11	29	6	0	100	95
21	219	SWIFTSURE BANK	03	96	08	02	59	3	0	100	73
23	239	BARKLEY CANYON	04	96	08	03	59	3	0	097	74
23	239	FORTY MILE BANK	05	96	08	02	59	3	0	100	88
21	219	SWIFTSURE BANK	06	96	08	02	59	3	0	100	68
13	132	DEEPWATER BAY	07	96	12	04	29	6	0	062	59
13	132	DEEPWATER BAY	08	96	12	04	29	6	0	063	61
13	132	DEEPWATER BAY	09	96	12	04	29	6	0	094	90
13	132	DEEPWATER BAY	10	96	12	04	29	6	0	066	65
13	136	STUART ISLAND	11	96	07	19	29	1	0	058	52
13	136	STUART ISLAND	15	96	07	29	29	1	0	050	49
13	136	STUART ISLAND	16	96	08	20	29	1	0	043	33
13	136	STUART ISLAND	18	96	08	02	29	1	0	050	48
13	136	STUART ISLAND	19	96	08	22	29	1	0	038	36
14	142	LONGBEAK POINT	01	97	03	06	29	5	0	100	92
23	232	STOPPER ISLANDS	02	97	03	12	21	4	0	100	95
14	142	DENMAN ISLAND E.	03	97	03	03	29	5	0	100	88
23	232	STOPPER ISLANDS	04	97	03	12	21	4	0	100	90
14	142	COLLISHAW POINT	05	97	02	25	29	5	0	100	99
27	273	HUNT ISLETS	06	97	02	28	29	5	0	100	96
23	232	STOPPER ISLANDS	07	97	03	12	21	4	0	100	96
17	172	JACK POINT	08	97	02	25	29	5	0	100	89
17	172	MAUDE ISLAND	09	97	03	11	29	5	0	100	96
23	232	STOPPER ISLANDS	10	97	03	11	21	4	0	100	94
17	172	ICARUS POINT	11	97	03	02	29	5	0	100	95
14	142	UNION POINT	12	97	03	06	29	5	0	100	94
14	142	KOMAS BLUFF	13	97	02	23	29	5	0	100	95
24	243	SYDNEY INLET	14	97	03	15	29	5	0	100	91
17	172	NECK POINT	15	97	03	08	29	5	0	100	89
27	273	FORWARD INLET	16	97	03	13	29	5	0	100	92
14	142	BAYNES SOUND	17	97	03	06	29	5	0	100	98
23	232	STOPPER ISLANDS	18	97	03	11	21	4	0	100	92
14	142	LONGBEAK POINT	19	97	02	27	29	5	0	100	90
14	142	SHINGLE SPIT	20	97	02	28	29	5	0	100	94
14	142	BAYNES SOUND	21	97	03	04	29	5	0	100	97
17	173	HALL ISLAND	22	97	02	27	29	5	0	100	92
27	272	KLASKISH INLET	23	97	03	04	29	5	0	100	96
14	143	FRENCH CREEK	24	97	03	09	29	5	0	100	97
17	173	WALKER ROCK	25	97	02	25	29	5	0	100	96
23	232	STOPPER ISLANDS	26	97	03	11	21	4	0	100	96
27	273	FORWARD INLET	27	97	03	07	29	5	0	100	96
14	142	CHROME ISLAND	28	97	03	07	29	5	0	100	90
17	172	GABRIOLA IS. (N shore)	29	97	03	08	29	5	0	100	98
14	142	NORRIS ROCKS	30	97	03	02	29	5	0	100	92
17	173	NORTHUMBERLAND CH	31	97	02	27	29	5	0	100	97
23	232	STOPPER ISLANDS	32	97	03	12	21	4	0	100	93
14	143	PARKSVILLE BAY	33	97	02	27	29	5	0	100	96

Table 3 (cont'd) .

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
14	143	MISTAKEN ISLAND	34	97	02	27	29	5	0	100	93
23	232	STOPPER ISLANDS	35	97	03	03	29	5	0	100	94
25	253	ROSA HARBOUR	36	97	03	01	29	4	0	100	99
23	232	STOPPER ISLANDS	37	97	03	11	21	4	0	100	96
17	172	JACK POINT	38	97	02	24	29	5	0	100	98
25	253	DOUBLE ISLAND	39	97	02	25	29	5	0	100	92
14	142	BAYNES SOUND	40	97	03	06	29	5	0	100	91
23	232	SHEARS ISLANDS	41	97	03	01	29	5	0	100	97
14	142	UNION POINT	42	97	03	06	29	5	0	100	93
24	243	SYDNEY INLET	43	97	03	12	29	5	0	100	92
14	142	BAYNES SOUND	44	97	03	04	29	5	0	099	95
23	232	CHROW ISLANDS	45	97	03	01	29	5	0	100	93
23	232	SPILLING ISLET	46	97	03	04	29	5	0	100	94
23	232	SHEARS ISLANDS	47	97	03	10	29	5	0	100	96
14	142	UNION POINT	48	97	03	06	29	5	0	100	91
25	252	SAAVEDRA ISLANDS	49	97	02	26	29	5	0	100	91
23	232	MACOAH PASSAGE	50	97	03	01	29	5	0	100	96
14	142	COMOX BAR	51	97	03	04	29	0	0	100	95
23	232	DAVID ISLAND	52	97	03	04	29	0	0	100	91
14	142	KOMAS BLUFF	53	97	03	19	19	0	0	100	81
14	142	COMOX BAR	54	97	03	04	29	0	0	100	90
14	142	COMOX BAR	55	97	03	02	29	5	0	100	91
23	232	FORBES ISLAND	56	97	03	04	29	0	0	100	87
14	142	COMOX BAR	57	97	03	03	29	5	0	100	93
23	232	DAVID ISLAND	58	97	03	04	29	0	0	100	88
14	142	SANDY ISLAND	59	97	02	24	29	5	0	100	98
14	142	DOWNES POINT	60	97	03	19	19	0	0	100	76
14	142	COMOX BAR	61	97	03	04	29	0	0	100	88
14	142	COMOX BAR	62	97	03	04	29	0	0	100	89
23	232	FORBES ISLAND	63	97	03	04	29	0	0	100	100
14	142	KOMAS BLUFF	64	97	03	19	19	0	0	100	83
14	142	COMOX BAR	65	97	03	04	29	0	0	100	86
14	142	WHALING STATION BAY	66	97	03	19	19	0	0	100	89
14	142	GOOSE SPIT	67	97	03	04	29	0	0	100	90
14	143	GRAVELLY BAY	68	97	03	19	19	0	0	100	77
14	142	COMOX BAR	69	97	03	04	29	0	0	100	75
14	142	FILLONGLEY PARK	70	97	03	19	19	0	0	100	70
14	142	COMOX BAR	71	97	03	04	29	0	0	100	97
23	232	FOOD ISLETS	72	97	03	04	29	0	0	100	86
14	142	COMOX BAR	73	97	03	15	29	5	0	100	93
23	232	FOOD ISLETS	74	97	03	04	29	0	0	100	90
14	142	FILLONGLEY PARK	75	97	03	19	19	0	0	100	74
27	272	KLASKISH INLET	76	97	03	11	29	5	0	100	95
23	232	FOOD ISLETS	77	97	03	04	29	0	0	100	40
23	232	FORBES ISLAND	78	97	03	04	29	0	0	100	97
23	232	FORBES ISLAND	79	97	03	04	29	0	0	100	90
23	232	MACOAH PASSAGE	80	97	03	02	29	5	0	100	95
14	143	MADRONA POINT	81	97	03	07	29	5	0	100	94
14	142	UNION POINT	82	97	03	06	29	5	0	100	99
23	232	STOPPER ISLANDS	83	97	03	07	29	5	0	100	92

Table 3 (cont'd) .

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	232	FORBES ISLAND	84	97	03	04	29	0	0	100	89
27	273	MATTHEWS ISLAND	85	97	03	05	29	5	0	100	99
14	142	CAPE LAZO	86	97	03	03	29	5	0	100	91
25	253	ROSA HARBOUR	87	97	02	28	29	4	0	100	98
14	142	REPULSE POINT	88	97	03	19	19	0	0	100	83
14	142	COMOX BAR	89	97	03	07	29	5	0	100	95
17	173	PORLIER PASS	90	97	03	02	29	5	0	100	98
23	232	STOPPER ISLANDS	91	97	03	01	29	5	0	100	96
14	142	LONGBEAK POINT	92	97	03	08	29	5	0	100	85
14	142	COMOX HARBOUR	93	97	03	04	29	5	0	100	90
14	142	METCALF BAY	94	97	03	08	29	5	0	100	93
14	142	SANDY ISLAND	95	97	03	11	29	5	0	100	98
14	142	COLLISHAW POINT	96	97	02	25	29	5	0	100	94
14	142	LAMBERT CHANNEL	97	97	02	27	29	5	0	100	89
14	142	NORMAN POINT	98	97	02	25	29	5	0	100	96
14	143	QUALICUM BAY	99	97	01	07	29	6	0	099	93
14	143	QUALICUM BAY	100	97	01	07	29	6	0	100	97
14	142	SANDY ISLAND	101	97	03	15	29	5	0	100	98
14	142	HENRY BAY	102	97	03	07	29	5	0	100	95
14	142	COMOX BAR	103	97	03	04	29	0	0	100	90
14	142	SANDY ISLAND	104	97	03	06	29	5	0	100	93
14	142	COMOX BAR	105	97	03	04	29	5	0	100	97
14	142	COMOX BAR	106	97	03	03	29	5	0	100	98
14	142	CHROME ISLAND	107	97	03	12	29	5	0	100	94
14	142	COMOX BAR	108	97	03	07	29	5	0	100	98
14	142	HENRY BAY	109	97	03	07	29	5	0	100	93
14	142	GARTLEY POINT	110	97	03	04	29	5	0	100	97
14	142	COMOX BAR	111	97	03	13	29	5	0	100	96
04	042	PEARL HARBOUR	112	97	04	02	29	4	0	100	98
14	142	SEAL ISLETS	113	97	03	02	29	5	0	100	98
04	042	BIG BAY	114	97	03	26	29	5	0	100	98
14	143	NORTHWEST BAY	115	97	03	14	29	5	0	100	95
14	142	METCALF BAY	116	97	03	20	29	5	0	100	86
04	042	SHATTOCK POINT	117	97	03	27	29	5	0	100	97
14	142	PHIPPS POINT	118	97	03	11	29	5	0	100	95
04	042	TUGWELL ISLAND	119	97	03	24	29	5	0	100	94
04	042	HODGSON REEF	120	97	03	22	29	5	0	100	95
04	042	BIG BAY	121	97	03	26	29	5	0	100	96
04	042	PEARL HARBOUR	122	97	03	30	29	5	0	100	98
14	142	UNION POINT	123	97	03	07	29	5	0	092	82
14	142	NORRIS ROCKS	124	97	02	27	29	5	0	100	93
23	232	MACOAH PASSAGE	125	97	03	03	29	5	0	100	97
23	232	FOOD ISLETS	126	97	03	04	29	5	0	100	97
14	142	KOMAS BLUFF	127	97	02	28	29	5	0	100	95
24	243	SYDNEY INLET	128	97	02	28	29	5	0	100	89
23	232	STOPPER ISLANDS	129	97	03	03	29	5	0	100	97
14	142	KOMAS BLUFF	130	97	03	02	29	5	0	100	98
14	142	DEEP BAY	131	97	03	10	29	5	0	100	93
23	232	MACOAH PASSAGE	132	97	03	05	29	5	0	100	94
04	042	TUGWELL ISLAND	133	97	04	03	29	5	0	100	92

Table 3 (cont'd) .

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	232	SHEARS ISLANDS	134	97	03	06	29	5	0	100	97
04	042	SWALLOW ISLAND	135	97	03	28	29	5	0	100	98
14	142	CHROME ISLAND	136	97	03	20	29	5	0	100	90
14	142	BAYNES SOUND	137	97	03	16	29	5	0	100	96
24	243	SYDNEY INLET	138	97	02	25	29	5	0	100	98
04	042	SOUTH ISLAND	139	97	03	23	29	5	0	100	97
04	042	REEKS POINT	140	97	03	26	29	5	0	100	96
04	042	OTTER ANCHORAGE	141	97	03	28	29	5	0	100	97
07	074	WASKESIU PASS	142	97	03	14	29	5	0	100	99
07	072	SHINGLE ROCK	143	97	03	23	29	5	0	100	95
23	232	MACOAH PASSAGE	144	97	03	15	21	4	0	100	94
07	072	FOOTE ISLETS	145	97	03	20	29	5	0	100	90
23	232	STOPPER ISLANDS	146	97	03	03	29	5	0	100	95
07	074	BODDY PASSAGE	147	97	03	18	29	5	0	100	97
24	244	MILLAR CHANNEL	148	97	03	09	29	5	0	100	100
17	173	GALIANO ISLAND	149	97	03	09	29	5	0	100	94
23	232	PIPESTEM INLET	150	97	03	01	29	5	0	100	95
25	253	ESPERANZA INLET	151	97	02	28	29	5	0	100	95
25	253	OWOSSITSA CREEK	152	97	02	25	29	5	0	100	98
07	078	NEEKAS INLET	153	97	03	25	29	5	0	100	94
23	232	MAYNE BAY	154	97	03	15	21	4	0	100	99
23	232	STOPPER ISLANDS	155	97	02	26	29	5	0	100	96
07	074	RAYMOND PASS	156	97	03	14	29	5	0	100	96
23	232	MACOAH PASSAGE	157	97	03	15	21	4	0	100	96
23	232	SPILLING ISLET	158	97	03	15	21	4	0	100	95
23	232	SPILLING ISLET	159	97	03	05	29	5	0	100	97
23	232	MACOAH PASSAGE	160	97	03	04	29	5	0	100	92
07	074	STRYKER BAY	161	97	03	18	29	5	0	100	100
23	232	MACOAH PASSAGE	162	97	03	05	29	5	0	100	89
07	072	SPILLER CHANNEL	163	97	03	16	29	5	0	100	96
23	232	ST. INES ISLAND	164	97	03	15	21	4	0	100	93
23	232	SHEARS ISLANDS	165	97	03	02	29	5	0	100	92
07	072	SHINGLE ROCK	166	97	03	23	29	5	0	100	99
23	232	SPILLING ISLET	167	97	03	15	21	4	0	100	98
23	232	STOPPER ISLANDS	168	97	03	14	21	4	0	100	94
23	232	STOPPER ISLANDS	169	97	03	05	29	5	0	100	95
25	252	SAN RAFAEL POINT	170	97	02	23	29	5	0	100	96
23	232	DAVID ISLAND	171	97	03	03	29	5	0	100	95
23	232	STOPPER ISLANDS	172	97	02	28	29	5	0	100	97
25	252	FRIENDLY COVE	173	97	03	03	29	5	0	100	97
23	232	STOPPER ISLANDS	174	97	02	25	29	5	0	100	93
23	232	BEG ISLANDS	175	97	02	27	29	5	0	100	98
23	232	SPILLING ISLET	176	97	02	27	29	5	0	100	93
23	232	STOPPER ISLANDS	177	97	02	25	29	5	0	100	97
25	253	ROSA HARBOUR	178	97	03	02	29	4	0	100	98
05	052	ROBERT ISLAND	179	97	03	23	29	5	0	100	97
24	243	SYDNEY INLET	180	97	03	04	29	5	0	100	94
04	042	BIG BAY	181	97	03	15	29	5	0	100	97
23	232	LARKIN ISLAND	182	97	02	24	29	5	0	100	93
24	249	FLORENCIA BAY	183	97	02	24	29	5	0	100	95

Table 3 (cont'd).

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	232	STOPPER ISLANDS	184	97	02	23	29	5	0	100	92
23	232	CHROW ISLANDS	185	97	02	20	29	5	0	100	93
23	232	CHROW ISLANDS	186	97	02	23	29	5	0	100	97
23	232	FORBES ISLAND	187	97	02	20	29	5	0	100	96
24	243	SYDNEY INLET	188	97	02	21	29	5	0	100	97
12	122	BEAVER HARBOUR	189	97	03	28	29	4	0	100	91
24	243	SYDNEY INLET	190	97	02	22	29	5	0	100	98
12	125	THOMPSON SOUND	191	97	03	11	29	5	0	100	94
09	093	KILBELLA BAY	192	97	03	25	29	5	0	100	100
14	142	LONGBEAK POINT	193	97	02	23	29	5	0	100	95
23	232	FORBES ISLAND	194	97	02	25	29	5	0	100	97
14	142	NORRIS ROCKS	195	97	02	21	29	5	0	100	96
14	142	NORRIS ROCKS	196	97	02	22	29	5	0	100	99
05	052	KITKATLA INLET	197	97	04	03	29	4	0	100	99
05	052	WILLIS BAY	198	97	03	30	29	5	0	100	96
05	052	KITKATLA INLET	199	97	04	03	29	4	0	100	92
25	253	ESPERANZA INLET	200	97	03	02	29	5	0	100	97
17	173	CARDALE POINT	201	97	03	21	29	5	0	100	96
04	042	TREE BLUFF	202	97	03	16	29	5	0	100	100
23	232	STOPPER ISLANDS	203	97	03	14	21	4	0	100	96
05	052	ROBERT ISLAND	204	97	04	04	29	4	0	100	93
25	253	CENTRE ISLAND	205	97	02	24	29	5	0	100	94
05	052	KITKATLA INLET	206	97	03	31	29	5	0	100	99
04	042	BURNT CLIFF ISLAND	207	97	03	14	29	5	0	100	98
23	232	LYALL POINT	208	97	03	15	21	4	0	100	98
23	232	TWO RIVERS +	209	97	03	16	21	4	0	100	98
17	173	GABRIOLA PASSAGE	210	97	03	21	29	5	0	100	98
10	102	INDIAN ISLAND N.	211	97	03	13	29	5	0	100	98
05	052	ROBERT ISLAND	212	97	04	01	29	4	0	100	89
04	042	MIST ISLAND	213	97	03	18	29	5	0	100	98
23	232	STOPPER ISLANDS	214	97	03	14	21	4	0	100	96
12	125	THOMPSON SOUND	215	97	03	18	29	5	0	100	94
07	074	RAYMOND PASS	216	97	03	18	29	5	0	100	99
23	232	MAYNE BAY	217	97	03	15	21	4	0	100	100
05	052	VISCOUNT POINT	218	97	03	22	29	5	0	100	94
17	173	DE COURCY ISLAND	219	97	03	22	29	5	0	100	93
04	042	BIG BAY	220	97	03	17	29	5	0	100	99
13	133	LOUGHBOROUGH INLET	221	97	03	09	29	5	0	100	94
05	052	VISCOUNT POINT	222	97	03	25	29	5	0	100	97
09	092	GOOSE BAY	223	97	03	26	29	5	0	100	97
10	102	TAKUSH HARBOUR	224	97	03	27	29	5	0	100	94
04	042	SOUTH ISLAND	225	97	03	21	29	5	0	100	97
23	232	STOPPER ISLANDS	226	97	03	14	21	4	0	100	96
12	125	BOND SOUND	227	97	03	19	29	5	0	100	94
12	122	HARDY BAY	228	97	03	28	29	5	0	100	96
23	232	STOPPER ISLANDS	229	97	03	14	21	4	0	100	95
09	092	GOOSE BAY	230	97	03	23	29	5	0	100	90
02	025	SKINCUTTLE INLET	231	97	03	13	29	5	0	100	99
07	072	MOSQUITO BAY	232	97	03	25	29	5	0	100	98
07	074	DUNDIVAN INLET	233	97	03	15	29	5	0	100	96

Table 3 (cont'd) .

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
23	232	ST. INES ISLAND	234	97	03	15	21	4	0	100	99
23	232	TWO RIVERS +	235	97	03	16	21	4	0	100	100
07	072	FOOTE ISLETS	236	97	03	16	29	5	0	100	94
05	052	KITKATLA INLET	237	97	03	30	29	4	0	100	97
23	232	DAVID ISLAND	238	97	03	16	21	4	0	100	97
23	232	LYALL POINT	239	97	03	15	21	4	0	100	98
07	074	CLARIE ISLAND	240	97	03	14	29	5	0	100	97
02	021	BURNABY STRAIT	241	97	03	26	29	5	0	100	97
23	232	STOPPER ISLANDS	242	97	03	14	21	4	0	100	92
00	006	LOUSCOONE INLET	243	97	03	14	29	5	0	100	100
02	025	HUSTON INLET	244	97	03	30	29	5	0	100	93
08	085	KWAKSHUA CHANNEL	245	97	03	12	29	5	0	100	93
02	024	ROCKFISH HARBOUR	246	97	03	27	29	5	0	100	96
02	024	SELWYN INLET	247	97	04	05	29	5	0	100	94
07	072	FISHER POINT	248	97	03	28	29	5	0	100	94
07	072	SPILLER INLET	249	97	03	23	29	5	0	100	91
07	072	BERRY INLET	250	97	03	14	29	5	0	100	95
07	072	SPILLER INLET	251	97	03	22	29	5	0	100	92
07	078	NEEKAS INLET	252	97	03	24	29	5	0	100	95
07	078	NEEKAS INLET	253	97	03	25	29	5	0	100	97
07	074	KYNUMPT HARBOUR	254	97	03	20	29	5	0	100	98
07	078	NEEKAS INLET	255	97	03	18	29	5	0	100	98
02	025	SKINCUTTLE INLET	256	97	03	25	29	5	0	100	98
02	021	BURNABY STRAIT	257	97	03	23	29	5	0	100	96
07	074	JOANNA ROCK	258	97	03	19	29	5	0	100	99
07	072	SPILLER INLET	259	97	03	25	29	5	0	100	98
07	078	NEEKAS INLET	260	97	03	24	29	5	0	100	99
07	072	SHINGLE ROCK	261	97	03	04	29	5	0	100	94
06	067	WILBY POINT	262	97	03	07	29	5	0	100	97
07	072	WATCH ISLAND	263	97	03	11	29	5	0	099	97
07	078	MATHIESON CHANNEL	264	97	03	13	29	5	0	100	96
07	072	WATCH ISLAND	265	97	03	06	29	5	0	100	96
07	072	FISHER POINT	266	97	03	08	29	5	0	100	97
07	077	EAST HIGGINS PASS	267	97	03	23	29	5	0	100	99
07	072	SPILLER CHANNEL	268	97	03	25	29	5	0	100	98
06	067	MARVIN ISLANDS	269	97	03	13	29	5	0	100	91
06	067	JAMIESON POINT	270	97	03	16	29	5	0	100	97
06	067	JAMIESON POINT	271	97	03	18	29	5	0	100	97
07	078	NEEKAS INLET	272	97	03	23	29	5	0	100	100
06	067	JAMIESON POINT	273	97	03	12	29	5	0	100	99
07	072	WATCH ISLAND	274	97	03	16	29	5	0	100	95
07	078	SPILLER CHANNEL HEAD	275	97	03	23	29	5	0	100	92
07	072	BERRY INLET	276	97	03	26	29	5	0	100	97
06	067	JAMIESON POINT	277	97	03	20	29	5	0	100	96
07	072	BERRY INLET	278	97	03	26	29	5	0	100	97
07	078	NEEKAS INLET	279	97	03	25	29	5	0	100	96
07	077	EAST HIGGINS PASS	280	97	03	15	29	5	0	100	92
07	072	BERRY INLET	281	97	03	26	29	5	0	100	99
06	067	JAMIESON POINT	282	97	03	06	29	5	0	100	98
07	074	DUNDIVAN INLET	283	97	03	05	29	5	0	100	98

Table 3 (cont'd) .

Area	Sect	Location	Sample Number	Year	Month	Day	Gear	Source	Pres	No. of Fish Sampled	No. of Fish Aged
07	072	SPILLER LAGOON	284	97	03	18	29	5	0	100	93
07	074	DUNDIVAN INLET	285	97	03	10	29	5	0	100	96
07	072	FOOTE ISLETS	286	97	03	14	29	5	0	100	93
07	074	SEAFORTH CHANNEL	287	97	03	24	29	5	0	100	93
07	078	MATHIESON CHANNEL	288	97	03	20	29	5	0	100	96
07	077	PIDWELL REEF	289	97	03	12	29	5	0	100	100
06	067	JAMIESON POINT	290	97	03	08	29	5	0	100	99
06	067	MARVIN ISLANDS	291	97	03	11	29	5	0	100	98
08	085	KWAKSHUA CHANNEL	292	97	03	02	29	5	0	100	94
06	067	KITASU BAY	293	97	03	14	29	5	0	100	98
07	077	EAST HIGGINS PASS	294	97	03	22	29	5	0	100	95
02	025	SKINCUTTLE INLET	295	97	03	20	29	5	0	100	97
07	078	MATHIESON CHANNEL	296	97	03	23	29	5	0	100	97
07	077	EAST HIGGINS PASS	297	97	03	23	29	5	0	100	92
02	021	HUXLEY ISLAND	298	97	03	16	29	5	0	100	96
02	025	SKINCUTTLE INLET	299	97	03	30	29	5	0	100	97
02	021	HUXLEY ISLAND	300	97	03	30	29	5	0	100	98
02	024	SELWYN INLET	301	97	03	26	29	5	0	100	99
00	006	LOUSCOONE INLET	302	97	03	23	29	5	0	100	95
07	078	NEEKAS INLET	303	97	03	25	29	0	0	100	90
02	025	HUSTON INLET EAST	304	97	03	08	29	5	0	100	99
02	021	BURNABY STRAIT	305	97	03	18	29	5	0	100	96
02	021	SECTION ISLAND	306	97	03	18	29	5	0	100	97
02	024	SELWYN INLET	307	97	04	01	29	5	0	100	96
04	042	PEARL HARBOUR	308	97	04	05	19	0	0	100	87
07	072	BLAIR INLET	309	97	03	29	19	0	0	100	85
04	042	SLIPPERY ROCK	310	97	04	05	19	0	0	100	96
07	072	SPILLER INLET	311	97	03	25	29	0	0	100	90
07	078	NEEKAS INLET	312	97	03	25	29	0	0	100	94
07	072	BLAIR INLET	313	97	03	29	19	0	0	089	80
04	042	SLIPPERY ROCK	314	97	04	05	19	0	0	100	90
04	042	OBSERVATION POINT	315	97	04	05	19	0	0	100	91
07	072	POWELL ANCHORAGE	316	97	03	29	19	0	0	100	90
07	078	SPILLER CHANNEL HEAD	317	97	03	25	29	0	0	100	91
04	042	SLIPPERY ROCK	318	97	04	05	19	0	0	100	90
04	042	DUNCAN BAY	319	97	04	06	19	0	0	100	90
07	078	SPILLER CHANNEL HEAD	320	97	03	25	29	0	0	100	84
04	042	SLIPPERY ROCK	321	97	04	05	19	0	0	100	87
07	078	NEEKAS INLET	322	97	03	25	29	0	0	100	95
07	072	POWELL ANCHORAGE	323	97	03	29	19	0	0	100	89
07	078	SPILLER CHANNEL HEAD	324	97	03	25	29	0	0	100	87
07	078	NEEKAS INLET	325	97	03	25	29	0	0	100	95
07	072	POWELL ANCHORAGE	326	97	03	29	19	0	0	100	88
07	072	POWELL ANCHORAGE	327	97	03	29	19	0	0	089	82
07	078	SPILLER CHANNEL HEAD	328	97	03	25	29	0	0	100	94
07	078	SPILLER CHANNEL HEAD	329	97	03	25	29	0	0	100	89

Table 4. 1997 Test fishing vessels, areas and dates of operation, number of sets made, and number of samples processed

REGION	VESSEL	STAT AREAS	DATES	# SETS MADE	# SAMPLES PROCESSED
QCI	Christav*^	2E, 2W	Mar 05 - Apr 06 Apr 12 - Apr 28	23	18
QCI TOTAL				23	18
PRINCE RUPERT DISTRICT	Ocean Venture	4, 5	Mar 14 - Apr 08	13	11
	Northern Oasis*	4	Mar 25 - Apr 25	26	0
	Viking Pride	4	Mar 22 - Apr 06	15	11
PRD TOTAL				54	22
CENTRAL COAST	Canadian Shore*^	6, 7	Mar 07 - Apr 10	19	17
	Kynoc	7, 8	Mar 15 - Mar 29	18	16
	Ocean Explorer*	6, 7, 8	Mar 24 - Apr 22		0
	Pachena No.1	6, 7, 8	Mar 02 - Mar 27	34	29
CENT TOTAL				71	62
ST. OF GEORGIA	Ansare II*	14	Mar 02 - Apr 05	12	0
	Argent 1	14, 17	Feb 26 - Mar 23	22	17
	Delta Harvester	9, 10, 12, 13	Mar 07 - Apr 01	12	10
	Endurance*	14	Mar 02 - Apr 12	6	0
	Kynoc	14, 17	Feb 24 - Mar 10	16	17
	Pacific Discovery	14	Feb 20 - Mar 20	28	25
	Viking Pride	14, 17	Feb 26 - Mar 12	17	12
ST. OF GEORGIA TOTAL				113	81
W COAST VANCOUVER ISLAND	Angela Lynn*^	23, 24	Feb 24 - Apr 01	13	12
	Bligh Island	27	Feb 28 - Mar 13	12	6
	Ocean Horizon	23, 24	Feb 20 - Mar 17	35	30
	Royal Viking*^	23, 24, 25	Feb 23 - Apr 01	10	9
WCVI TOTAL				70	57
TOTAL				331	240

* - Gillnet test and spawn assessment - no samples collected

*^ - Seine test and spawn assessment

Table 5. Percent at age for 1997 seine roe samples, gillnet roe samples, and test fishing samples.

SECTION		SOURCE	GEAR	PERCENT AT AGE										NUMBER
				0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	AGED
6	LOUSCOONE INLET	5	29	0	36	42	14	2	0	1	3	1	1	195
21	JUAN PEREZ SOUND	5	29	0	19	23	40	5	1	5	6	1	0	580
24	SELWYN INLET	5	29	0	9	23	41	6	4	8	8	1	0	385
25	SKINCUTTLE INLET	5	29	0	43	23	23	5	1	2	3	0	0	583
42	AREA 4 NORTH	0	19	0	0	0	19	12	14	20	21	11	3	631
42	AREA 4 NORTH	5	29	0	0	14	61	10	4	5	4	2	0	1647
52	KITKATLA INLET	5	29	0	3	33	41	4	2	6	9	2	0	483
67	LAREDO SOUND	5	29	0	2	55	21	5	3	3	9	1	1	970
72	POWELL ANCHORAGE	0	19	0	0	2	3	6	23	19	38	7	2	514
72	POWELL ANCHORAGE	0	29	0	3	61	19	3	5	3	5	0	1	90
72	POWELL ANCHORAGE	5	29	0	2	57	14	4	7	4	10	2	0	2098
74	THOMPSON BAY	5	29	0	3	60	15	3	6	4	6	2	1	1168
77	MILBANKE SOUND	5	29	0	3	52	23	4	7	4	7	0	0	478
78	NEEKAS INLET	0	29	0	2	51	19	4	7	5	9	2	1	819
78	NEEKAS INLET	5	29	0	2	55	18	3	6	4	9	2	1	1060
85	KWAKSHUA CHANNEL	5	29	0	1	78	10	2	6	0	2	1	0	187
92	RIVERS INLET MOUTH	5	29	0	3	55	9	4	15	5	7	1	1	187
93	RIVERS INLET HEAD	5	29	0	3	62	15	4	6	3	5	0	2	100
102	TAKUSH HARBOUR	5	29	0	5	58	18	6	5	3	2	1	2	191
122	BEAVER HARBOUR	5	29	0	21	57	13	2	5	0	1	1	0	96
125	GILFORD ISLAND	5	29	1	20	29	12	9	4	3	22	0	0	282
133	LOUGHBOROUGH INLET	5	29	24	62	14	0	0	0	0	0	0	0	94
142	BAYNES SOUND	0	19	0	0	5	18	15	32	18	9	2	1	556
142	BAYNES SOUND	0	29	0	2	48	30	6	8	3	2	1	0	800
142	BAYNES SOUND	5	29	0	6	52	24	7	7	3	1	0	0	4879
143	QUALICUM	0	19	0	0	5	20	23	26	13	7	5	1	77
143	QUALICUM	5	29	0	15	59	18	4	3	1	0	0	0	475
172	NANOOSE BAY	5	29	0	22	53	16	3	2	2	1	0	1	565
173	YELLOW POINT	5	29	0	40	41	12	3	2	1	1	0	0	764
232	MACOAH PASS	0	29	0	3	68	9	6	6	5	3	0	0	858
232	MACOAH PASS	5	29	0	3	69	9	5	6	4	3	1	0	3226
243	SYDNEY INLET	5	29	0	2	70	7	3	6	6	5	1	0	659
244	MILLER CHANNEL	5	29	0	2	74	5	4	7	5	3	0	0	100
249	OFFSHORE AREA 24	5	29	0	2	74	5	3	5	5	5	1	0	95
252	NOOTKA SOUND	5	29	0	1	76	6	3	8	4	1	0	1	284
253	ESPERANZA INLET	5	29	0	1	63	7	4	13	8	3	1	0	476
272	BROOKS BAY	5	29	0	2	79	8	3	4	2	2	0	0	191
273	FORWARD INLET	5	29	0	5	76	7	1	4	6	1	0	0	383

Table 6. 1997 Roe herring fishery / catch information (Tons)

GEAR	NO	QUOTA	HAILS	*CATCH %	AREA, DATE & HOURS OF FISHERY
			WEST COAST VANCOUVER ISLAND		
SN**	38	4,035	6,893	21.7%	PORTIONS OF AREAS 23-9 TO 23-11 WEST BARKLEY SOUND MAR 4, 0945 - 1230 (DURATION 2.75 HOURS)
			GEORGIA STRAIT		
SN**	63	8,449	9,410	29.6%	PORTIONS OF AREAS 14-11 & 14-14 UPPER BAYNES SOUND MAR 4, 1116 - 1245 (DURATION 1.48 HOURS)
GN**	328	6,142	6,294	19.8%	PORTIONS OF AREAS 14-1 TO 14-13 & 14-15 SHELTER POINT TO DORCAS POINT MAR 19, 0930 - 1630 (DURATION 7.0 HOURS)
			CENTRAL COAST		
SN**	19	1,292	2,805	8.8%	PORTION OF AREA 7-14 SPILLER CHANNEL MAR 25, 1331 - 1427 (DURATION 0.93 HOURS)
GN	36	300	333	1.0%	AREA 7-8, PORTIONS OF 7-3, 7-9 & 7-12 BELLA BELLA AREA MAR 29, 0805 - 1315 (DURATION 5.17 HOURS)
			NORTH COAST		
GN**	289	6,011	5,313	16.7%	AREAS 3-2, 3-4, 3-5, 4-5, 4-7 TO 4-9, PORTIONS OF 4-6, 4-14 BIG BAY AREA APR 5, 0800 - 2030 (DURATION 12.5 HOURS)
			694	2.2%	REOPEN APR 6, 1000 - 1530 (DURATION 5.5 HOURS)
		TTL	6,007		

	QUOTA	HAILS	CATCH %
TTL - SN	13,776	19,108	60.2%
TTL - GN	12,453	12,634	39.8%
TTL -	26,229	31,742	

* NOTE: CATCH % REPRESENTS PERCENTAGE OF TOTAL COASTWIDE CATCH

** DOUBLE LICENSED

Table 7. Trawl research sample summaries by section

SECTION: 219 - OFFSHORE AREA 21
SAMPLE NUMBERS: 6, 3,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: AUG 2/96

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	21	71	28	7	7	4	3	0	0	59	200
% AT AGE	0.00	14.89	50.35	19.86	4.96	4.96	2.84	2.13	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	134.67	166.59	182.36	190.71	196.86	204.25	211.67	0.00	0.00	156.12	165.69
- STD. DEV.	0.00	9.79	12.34	8.74	12.05	9.62	16.07	6.43	0.00	0.00	26.36	23.95
WEIGHT - MEAN(gm)	0.00	35.52	67.34	86.75	101.14	116.57	138.50	139.67	0.00	0.00	58.37	69.49
- STD. DEV.	0.00	8.68	15.38	13.18	20.88	14.85	17.71	4.16	0.00	0.00	27.63	29.10

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	11	189	0	0	0	0	0	0	0
% AT STAGE	5.50	94.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	118	0	0	118
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	51	118	31	200
%	25.50	59.00	15.50	100.00
MEAN WEIGHT	81.90	73.17	35.03	69.49
% SAMP. WT.	30.06	62.13	7.81	100.00

Table 7. (cont'd) Trawl research sample summaries by section

SECTION: 239 - OFFSHORE AREA 23
SAMPLE NUMBERS: 5, 4, 1,
SOURCE: RESEARCH - OFFSHORE
GEAR: HERRING TRAWL
DATE: JUL 31/96 - AUG 3/96

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	81	47	23	48	24	21	6	2	45	297
% AT AGE	0.00	0.00	32.14	18.65	9.13	19.05	9.52	8.33	2.38	0.79	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	175.27	192.64	202.78	205.77	213.17	222.33	224.17	230.50	191.51	195.29
- STD. DEV.	0.00	0.00	8.99	8.26	5.53	9.04	6.08	7.79	4.79	7.78	28.04	20.26
WEIGHT - MEAN(gm)	0.00	0.00	77.63	102.19	121.83	129.63	144.08	159.95	169.00	171.00	106.82	111.43
- STD. DEV.	0.00	0.00	13.12	13.45	12.77	20.02	12.60	13.73	7.80	24.04	40.38	34.01

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	5	219	71	0	0	0	0	2	0
% AT STAGE	1.68	73.74	23.91	0.00	0.00	0.00	0.00	0.67	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	173	0	2	175
%	98.86	0.00	1.14	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	112	175	10	297
%	37.71	58.92	3.37	100.00
MEAN WEIGHT	116.90	111.10	55.90	111.43
% SAMP. WT.	39.56	58.75	1.69	100.00

Table 8. Food and bait fishery sample summaries by section.

SECTION: 132 - DEEPWATER BAY
SAMPLE NUMBERS: 7, 8, 9, 10,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: DEC 4/96

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	50	43	125	42	8	3	1	2	1	0	10	285
% AT AGE	18.18	15.64	45.45	15.27	2.91	1.09	0.36	0.73	0.36	0.00	0.00	100.00
LENGTH - MEAN(mm)	94.40	128.51	168.69	180.43	194.25	187.00	201.00	197.50	217.00	0.00	144.20	151.86
- STD. DEV.	5.02	11.66	11.74	10.21	8.99	17.06	0.00	19.09	0.00	0.00	46.14	34.43
WEIGHT - MEAN(gm)	12.74	30.77	69.97	84.17	101.38	95.67	125.00	119.50	146.00	0.00	53.50	57.49
- STD. DEV.	2.06	7.91	13.16	14.78	16.23	24.58	0.00	19.09	0.00	0.00	39.54	30.89

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	30	62	88	99	6	0	0	0	
% AT STAGE	10.53	21.75	30.88	34.74	2.11	0.00	0.00	0.00	

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	110	0	0	110
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	3.45	0.00	0.00	3.45

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	128	110	47	285
%	44.91	38.60	16.49	100.00
MEAN WEIGHT	66.64	65.05	14.87	57.49
% SAMP. WT.	52.06	43.67	4.27	100.00

Table 8. (cont'd) Food and bait fishery sample summaries by section.

SECTION: 136 - REED ISLAND
SAMPLE NUMBERS: 15, 11, 19, 18, 16,
SOURCE: BAIT FISHERY
GEAR: HERRING SEINE
DATE: JUL 19/96 - AUG 22/96

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	205	9	2	0	0	0	0	0	0	21	239
% AT AGE	0.92	94.04	4.13	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	112.00	122.54	131.44	133.00	0.00	0.00	0.00	0.00	0.00	0.00	120.71	122.72
- STD. DEV.	1.41	8.70	10.81	18.38	0.00	0.00	0.00	0.00	0.00	0.00	8.20	9.00
WEIGHT - MEAN(gm)	16.00	22.20	31.11	32.00	0.00	0.00	0.00	0.00	0.00	0.00	23.33	22.67
- STD. DEV.	0.00	6.86	14.00	19.80	0.00	0.00	0.00	0.00	0.00	0.00	5.94	7.46

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	109	130	0	0	0	0	0	0	0
% AT STAGE	45.61	54.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	79	0	0	79
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	0.00	0.00	0.00	0.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	24	79	136	239
%	10.04	33.05	56.90	100.00
MEAN WEIGHT	24.92	23.00	22.07	22.67
% SAMP. WT.	11.04	33.54	55.42	100.00

Table 8. (cont'd) Food and bait fishery sample summaries by section.

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 99,100,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: JAN 7/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	60	103	20	6	1	0	0	0	0	9	199
% AT AGE	0.00	31.58	54.21	10.53	3.16	0.53	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	144.52	178.95	189.15	194.83	215.00	0.00	0.00	0.00	0.00	159.78	169.39
- STD. DEV.	0.00	14.03	9.68	12.07	9.06	0.00	0.00	0.00	0.00	0.00	24.04	21.33
WEIGHT - MEAN(gm)	0.00	42.07	81.70	97.75	106.83	120.00	0.00	0.00	0.00	0.00	62.44	71.44
- STD. DEV.	0.00	15.09	14.64	19.40	18.74	0.00	0.00	0.00	0.00	0.00	31.06	26.49

HJORT MATURITY STAGES:

	MATURITY STAGE							
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	21	17	16	133	12	0	0	0	0
% AT STAGE	10.55	8.54	8.04	66.83	6.03	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	83	0	0	83
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	10.73	0.00	0.00	10.73

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	86	83	30	199
%	43.22	41.71	15.08	100.00
MEAN WEIGHT	74.48	81.96	33.63	71.44
% SAMP. WT.	45.05	47.85	7.10	100.00

Table 8. (cont'd) Food and bait fishery sample summaries by section.

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 2,
SOURCE: FOOD FISHERY
GEAR: HERRING SEINE
DATE: NOV 11/96

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	76	8	2	0	0	0	0	0	5	100
% AT AGE	0.00	9.47	80.00	8.42	2.11	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.89	176.20	189.75	208.50	0.00	0.00	0.00	0.00	0.00	183.00	176.53
- STD. DEV.	0.00	15.57	11.61	9.02	4.95	0.00	0.00	0.00	0.00	0.00	18.40	14.61
WEIGHT - MEAN(gm)	0.00	56.78	79.75	99.00	141.50	0.00	0.00	0.00	0.00	0.00	95.80	81.26
- STD. DEV.	0.00	14.88	16.30	12.63	10.61	0.00	0.00	0.00	0.00	0.00	26.10	20.61

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	3	71	26	0	0	0	0	0
% AT STAGE	0.00	3.00	71.00	26.00	0.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	44	0	0	44
%	100.00	0.00	0.00	100.00
% SAMPLE WEIGHT	1.16	0.00	0.00	1.16

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	56	44	0	100
%	56.00	44.00	0.00	100.00
MEAN WEIGHT	78.73	84.48	0.00	81.26
% SAMP. WT.	54.26	45.74	0.00	100.00

Table 9. Seine roe fishery sample summaries by section

SECTION: 72 - SPILLER INLET
SAMPLE NUMBERS: 311
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 25/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	55	17	3	4	3	4	0	1	10	100
% AT AGE	0.00	3.33	61.11	18.89	3.33	4.44	3.33	4.44	0.00	1.11	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.67	162.93	168.06	165.33	210.75	202.00	217.25	0.00	202.00	148.50	167.77
- STD. DEV.	0.00	16.65	14.01	17.53	17.10	9.00	12.77	4.57	0.00	0.00	24.91	22.57
WEIGHT - MEAN(gm)	0.00	52.67	64.15	71.18	70.33	137.50	129.33	156.75	0.00	145.00	51.90	73.36
- STD. DEV.	0.00	18.34	16.58	23.60	31.09	17.31	22.03	15.04	0.00	0.00	27.70	32.61

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	4	74	22	0	0	0
% AT STAGE	0.00	0.00	0.00	4.00	74.00	22.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	3	42	0	45
%	6.67	93.33	0.00	100.00
% SAMPLE WEIGHT	1.55	23.82	0.00	25.36

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	55	45	0	100
%	55.00	45.00	0.00	100.00
MEAN WEIGHT	74.67	71.76	0.00	73.36
% SAMP. WT.	55.98	44.02	0.00	100.00

Table 9. (cont'd) Seine roe fishery sample summaries by section

SECTION: 78 - NEEKAS INLET
SAMPLE NUMBERS: 312,324,322,328,303,325,317,320,329,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 25/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	14	422	157	32	58	39	75	15	7	81	900
% AT AGE	0.00	1.71	51.53	19.17	3.91	7.08	4.76	9.16	1.83	0.85	0.00	100.00
LENGTH - MEAN(mm)	0.00	147.43	173.30	181.39	192.41	208.00	215.38	216.29	221.67	219.43	167.75	183.30
- STD. DEV.	0.00	14.70	13.61	12.94	14.10	8.88	16.02	8.51	7.23	10.63	22.87	22.31
WEIGHT - MEAN(gm)	0.00	45.29	77.08	88.36	109.91	133.91	149.95	156.00	173.60	163.57	70.14	94.77
- STD. DEV.	0.00	15.88	18.63	19.59	22.60	18.05	22.97	21.58	21.26	25.34	31.20	37.00

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	2	0	26	729	139	0	2	1
% AT STAGE	0.11	0.22	0.00	2.89	81.00	15.44	0.00	0.22	0.11

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	14	478	2	494
%	2.83	96.76	0.40	100.00
% SAMPLE WEIGHT	0.44	27.70	0.06	28.19

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	403	494	3	900
%	44.78	54.89	0.33	100.00
MEAN WEIGHT	90.50	98.68	25.33	94.77
% SAMP. WT.	42.76	57.15	0.09	100.00

Table 9. (cont'd) Seine roe fishery sample summaries by section

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 67,103, 65, 69, 71, 54, 51, 61, 62,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	16	387	241	51	62	24	16	3	0	100	900
% AT AGE	0.00	2.00	48.38	30.13	6.38	7.75	3.00	2.00	0.38	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.13	185.05	194.41	202.55	212.52	220.42	219.75	231.33	0.00	190.56	192.41
- STD. DEV.	0.00	11.72	9.75	10.07	11.10	10.09	8.29	10.82	8.33	0.00	15.96	15.07
WEIGHT - MEAN(gm)	0.00	61.31	87.17	103.15	118.61	139.90	157.29	162.31	192.67	0.00	99.47	101.32
- STD. DEV.	0.00	14.34	15.68	17.43	22.29	19.25	16.83	28.38	13.05	0.00	28.78	27.72

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	15	662	222	1	0	0
% AT STAGE	0.00	0.00	0.00	1.67	73.56	24.67	0.11	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	431	0	439
%	1.82	98.18	0.00	100.00
% SAMPLE WEIGHT	0.38	26.47	0.00	26.84

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	461	439	0	900
%	51.22	48.78	0.00	100.00
MEAN WEIGHT	95.97	106.95	0.00	101.32
% SAMP. WT.	48.51	51.49	0.00	100.00

Table 9. (cont'd) Seine roe fishery sample summaries by section

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 63, 74, 58, 84, 72, 56, 79, 52, 78, 77,
SOURCE: ROE FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	25	582	79	49	49	45	22	4	3	142	1000
% AT AGE	0.00	2.91	67.83	9.21	5.71	5.71	5.24	2.56	0.47	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.84	183.53	191.65	203.88	217.51	219.84	225.41	228.75	225.00	189.68	190.10
- STD. DEV.	0.00	10.20	10.52	9.98	11.94	8.26	10.61	6.84	11.79	6.24	16.69	17.18
WEIGHT - MEAN(gm)	0.00	62.96	90.53	103.14	124.47	157.20	157.80	172.00	169.00	164.33	99.80	102.44
- STD. DEV.	0.00	12.16	16.87	16.61	22.02	16.27	25.52	15.98	30.50	18.93	31.49	31.17

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	34	735	226	3	1	0
% AT STAGE	0.00	0.10	0.00	3.40	73.50	22.60	0.30	0.10	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	28	480	1	509
%	5.50	94.30	0.20	100.00
% SAMPLE WEIGHT	0.91	26.04	0.00	26.95

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	491	509	0	1000
%	49.10	50.90	0.00	100.00
MEAN WEIGHT	95.30	109.33	0.00	102.44
% SAMP. WT.	45.68	54.32	0.00	100.00

Table 10. Gillnet roe fishery sample summaries by section

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 314,319,318,315,321,308,310,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: APR 5/97 - APR 6/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	1	123	73	88	128	130	70	18	69	700
% AT AGE	0.00	0.00	0.16	19.49	11.57	13.95	20.29	20.60	11.09	2.85	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	200.00	200.14	205.71	208.72	212.49	215.30	217.69	220.17	208.91	210.01
- STD. DEV.	0.00	0.00	0.00	8.00	7.25	7.69	8.30	8.73	10.10	11.18	8.89	10.30
WEIGHT - MEAN(gm)	0.00	0.00	113.00	117.76	125.84	128.02	136.09	143.41	145.64	157.61	129.91	133.01
- STD. DEV.	0.00	0.00	0.00	13.24	14.06	15.00	16.91	19.50	20.08	21.49	16.72	19.59

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	3	467	229	0	1	0
% AT STAGE	0.00	0.00	0.00	0.43	66.71	32.71	0.00	0.14	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	355	1	357
%	0.28	99.44	0.28	100.00
% SAMPLE WEIGHT	0.07	28.29	0.00	28.35

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	343	357	0	700
%	49.00	51.00	0.00	100.00
MEAN WEIGHT	129.88	136.03	0.00	133.01
% SAMP. WT.	47.85	52.15	0.00	100.00

Table 10. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 323,309,316,327,326,313,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 29/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	7	15	32	117	99	197	37	10	64	578
% AT AGE	0.00	0.00	1.36	2.92	6.23	22.76	19.26	38.33	7.20	1.95	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	195.57	198.60	205.56	210.75	213.24	214.72	218.46	219.20	209.69	212.27
- STD. DEV.	0.00	0.00	4.32	7.05	8.19	8.16	7.97	8.87	9.28	6.89	9.50	9.46
WEIGHT - MEAN(gm)	0.00	0.00	113.14	121.80	130.88	139.81	143.77	147.93	152.62	156.80	139.06	143.00
- STD. DEV.	0.00	0.00	12.14	10.59	16.16	18.86	17.98	21.87	24.47	19.01	15.53	20.70

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	374	190	9	5	0
% AT STAGE	0.00	0.00	0.00	0.00	64.71	32.87	1.56	0.87	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	304	7	311
%	0.00	97.75	2.25	100.00
% SAMPLE WEIGHT	0.00	29.36	0.00	29.36

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	267	311	0	578
%	46.19	53.81	0.00	100.00
MEAN WEIGHT	136.84	148.30	0.00	143.00
% SAMP. WT.	44.20	55.80	0.00	100.00

Table 10. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 53, 60, 88, 66, 75, 70, 64,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 19/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	26	98	86	182	98	49	12	5	144	700
% AT AGE	0.00	0.00	4.68	17.63	15.47	32.73	17.63	8.81	2.16	0.90	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	199.81	206.26	209.73	214.77	219.02	221.73	223.00	221.40	213.49	213.41
- STD. DEV.	0.00	0.00	4.09	7.06	7.37	6.53	7.92	7.19	9.66	11.72	9.11	9.19
WEIGHT - MEAN(gm)	0.00	0.00	116.85	124.78	132.47	139.84	145.34	149.61	156.33	150.00	138.22	137.45
- STD. DEV.	0.00	0.00	6.81	11.68	12.94	14.16	17.62	16.78	23.88	19.07	17.55	17.28

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	366	257	75	0	0
% AT STAGE	0.00	0.00	0.00	0.29	52.29	36.71	10.71	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	326	28	355
%	0.28	91.83	7.89	100.00
% SAMPLE WEIGHT	0.07	24.76	0.03	24.85

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	345	355	0	700
%	49.29	50.71	0.00	100.00
MEAN WEIGHT	137.48	137.41	0.00	137.45
% SAMP. WT.	49.30	50.70	0.00	100.00

Table 10. (cont'd) Gillnet roe fishery sample summaries by section

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 68,
SOURCE: ROE FISHERY
GEAR: GILLNET
DATE: MAR 19/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	4	15	18	20	10	5	4	1	23	100
% AT AGE	0.00	0.00	5.19	19.48	23.38	25.97	12.99	6.49	5.19	1.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	195.75	201.60	206.72	213.90	212.10	215.40	221.00	221.00	207.17	208.74
- STD. DEV.	0.00	0.00	8.81	6.16	5.83	6.59	9.34	7.16	14.72	0.00	8.11	9.24
WEIGHT - MEAN(gm)	0.00	0.00	109.75	122.27	127.78	140.90	133.60	148.80	148.00	161.00	128.61	131.82
- STD. DEV.	0.00	0.00	20.25	11.37	9.39	11.53	18.77	19.45	9.49	0.00	15.81	16.33

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	65	28	7	0	0
% AT STAGE	0.00	0.00	0.00	0.00	65.00	28.00	7.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	66	2	68
%	0.00	97.06	2.94	100.00
% SAMPLE WEIGHT	0.00	27.26	0.00	27.26

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	32	68	0	100
%	32.00	68.00	0.00	100.00
MEAN WEIGHT	136.84	129.46	0.00	131.82
% SAMP. WT.	33.22	66.78	0.00	100.00

Table 11. Spawn on kelp seine sample summaries by section

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 112,
SOURCE: OTHER (SOK)
GEAR: HERRING SEINE
DATE: APR 2/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	0	28	59	8	0	1	1	1	0	2	100
% AT AGE	0.00	0.00	28.57	60.20	8.16	0.00	1.02	1.02	1.02	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	0.00	163.50	174.20	183.13	0.00	209.00	210.00	222.00	0.00	167.00	172.96
- STD. DEV.	0.00	0.00	9.19	11.82	7.61	0.00	0.00	0.00	0.00	0.00	11.31	14.03
WEIGHT - MEAN(gm)	0.00	0.00	62.00	74.51	88.88	0.00	148.00	158.00	183.00	0.00	60.50	74.53
- STD. DEV.	0.00	0.00	13.09	18.51	13.42	0.00	0.00	0.00	0.00	0.00	10.61	23.87

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	17	83	0	0	0	0
% AT STAGE	0.00	0.00	0.00	17.00	83.00	0.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	7	49	0	56
%	12.50	87.50	0.00	100.00
% SAMPLE WEIGHT	1.73	23.49	0.00	25.22

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	44	56	0	100
%	44.00	56.00	0.00	100.00
MEAN WEIGHT	69.45	78.52	0.00	74.53
% SAMP. WT.	41.00	59.00	0.00	100.00

Table 11. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 204,197,237,212,199,
SOURCE: OTHER (SOK)
GEAR: HERRING SEINE
DATE: MAR 30/97 - APR 4/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	195	192	25	2	17	19	4	1	30	500
% AT AGE	0.00	3.19	41.49	40.85	5.32	0.43	3.62	4.04	0.85	0.21	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.87	168.58	181.14	193.48	192.00	207.24	208.37	209.25	206.00	139.90	175.95
- STD. DEV.	0.00	10.67	9.82	8.58	10.67	1.41	7.04	5.83	17.15	0.00	38.77	19.63
WEIGHT - MEAN(gm)	0.00	52.80	68.40	86.87	106.32	110.00	127.47	132.05	133.50	131.00	47.03	80.88
- STD. DEV.	0.00	10.37	15.09	15.52	22.24	5.66	22.18	15.14	39.14	0.00	43.24	27.45

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	6	6	1	16	255	181	27	7	1
% AT STAGE	1.20	1.20	0.20	3.20	51.00	36.20	5.40	1.40	0.20

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	11	225	19	255
%	4.31	88.24	7.45	100.00
% SAMPLE WEIGHT	0.54	25.23	0.00	25.78

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	237	255	8	500
%	47.40	51.00	1.60	100.00
MEAN WEIGHT	76.23	87.35	12.13	80.88
% SAMP. WT.	44.68	55.08	0.24	100.00

Table 11. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 122 - BEAVER HARBOUR
SAMPLE NUMBERS: 189,
SOURCE: OTHER (SOK)
GEAR: HERRING SEINE
DATE: MAR 28/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	9	65	10	4	2	0	1	0	0	9	100
% AT AGE	0.00	9.89	71.43	10.99	4.40	2.20	0.00	1.10	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.00	166.74	175.60	177.00	209.00	0.00	201.00	0.00	0.00	171.56	168.33
- STD. DEV.	0.00	8.28	10.94	11.90	16.39	7.07	0.00	0.00	0.00	0.00	20.00	14.70
WEIGHT - MEAN(gm)	0.00	52.33	70.43	78.00	81.75	135.50	0.00	118.00	0.00	0.00	78.22	72.49
- STD. DEV.	0.00	10.48	14.98	15.59	18.37	9.19	0.00	0.00	0.00	0.00	28.33	20.06

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	5	86	8	1	0	0
% AT STAGE	0.00	0.00	0.00	5.00	86.00	8.00	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	42	1	44
%	2.27	95.45	2.27	100.00
% SAMPLE WEIGHT	0.37	24.59	0.00	24.96

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	56	44	0	100
%	56.00	44.00	0.00	100.00
MEAN WEIGHT	67.21	79.20	0.00	72.49
% SAMP. WT.	51.92	48.08	0.00	100.00

Table 11. (cont'd) Spawn on kelp seine sample summaries by section

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 178, 36, 87,
SOURCE: OTHER (SOK)
GEAR: HERRING SEINE
DATE: FEB 28/97 - MAR 2/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	193	27	16	33	17	6	0	0	5	300
% AT AGE	0.00	1.02	65.42	9.15	5.42	11.19	5.76	2.03	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	163.33	181.15	193.63	204.13	212.39	213.35	215.00	0.00	0.00	195.60	189.50
- STD. DEV.	0.00	5.77	10.59	9.22	10.25	6.91	8.47	5.87	0.00	0.00	15.95	16.33
WEIGHT - MEAN(gm)	0.00	58.67	91.32	113.48	130.81	144.09	147.35	145.67	0.00	0.00	118.20	105.61
- STD. DEV.	0.00	6.43	16.62	21.06	21.28	15.52	22.95	14.43	0.00	0.00	35.72	28.36

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	0	12	208	79	0	0	0
% AT STAGE	0.33	0.00	0.00	4.00	69.33	26.33	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	5	156	0	161
%	3.11	96.89	0.00	100.00
% SAMPLE WEIGHT	0.73	26.19	0.00	26.92

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	139	161	0	300
%	46.33	53.67	0.00	100.00
MEAN WEIGHT	99.45	110.93	0.00	105.61
% SAMP. WT.	43.63	56.37	0.00	100.00

Table 12. Test fishing sample summaries by section

SECTION: 6 - LOUSCOONE INLET
SAMPLE NUMBERS: 243,302,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/97 - MAR 23/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	70	82	28	4	1	2	5	2	1	5	200
% AT AGE	0.00	35.90	42.05	14.36	2.05	0.51	1.03	2.56	1.03	0.51	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.70	191.98	198.14	215.00	223.00	205.00	229.00	228.00	242.00	199.80	187.52
- STD. DEV.	0.00	6.30	10.75	11.73	4.24	0.00	12.73	2.83	9.90	0.00	28.63	18.34
WEIGHT - MEAN(gm)	0.00	65.64	103.33	116.79	127.25	130.00	128.50	178.00	158.00	169.00	118.20	96.00
- STD. DEV.	0.00	8.25	18.69	23.74	16.07	0.00	17.68	25.70	9.90	0.00	47.65	31.58

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	13	127	56	4	0	0
% AT STAGE	0.00	0.00	0.00	6.50	63.50	28.00	2.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	13	101	0	114
%	11.40	88.60	0.00	100.00
% SAMPLE WEIGHT	1.81	23.39	0.00	25.21

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	86	114	0	200
%	43.00	57.00	0.00	100.00
MEAN WEIGHT	92.48	98.66	0.00	96.00
% SAMP. WT.	41.42	58.58	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 21 - JUAN PEREZ SOUND
SAMPLE NUMBERS: 305,298,257,300,306,241,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 16/97 - MAR 30/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	110	133	233	31	4	29	34	5	1	20	600
% AT AGE	0.00	18.97	22.93	40.17	5.34	0.69	5.00	5.86	0.86	0.17	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.08	177.79	189.56	198.23	206.25	215.31	217.91	212.20	212.00	179.00	184.65
- STD. DEV.	0.00	7.21	7.93	6.93	8.92	6.02	7.74	7.63	7.22	0.00	17.94	18.23
WEIGHT - MEAN(gm)	0.00	55.96	84.42	103.65	119.42	153.25	150.03	157.85	137.40	149.00	88.20	96.94
- STD. DEV.	0.00	7.88	12.74	13.16	17.83	28.15	19.84	16.41	29.94	0.00	24.70	31.12

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	45	449	103	3	0	0
% AT STAGE	0.00	0.00	0.00	7.50	74.83	17.17	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	31	252	1	284
%	10.92	88.73	0.35	100.00
% SAMPLE WEIGHT	2.08	24.92	0.00	27.00

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	316	284	0	600
%	52.67	47.33	0.00	100.00
MEAN WEIGHT	89.42	105.32	0.00	96.94
% SAMP. WT.	48.58	51.42	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 24 - SELWYN INLET
SAMPLE NUMBERS: 246,301,247,307,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 26/97 - APR 5/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	34	87	157	24	15	30	32	5	1	15	400
% AT AGE	0.00	8.83	22.60	40.78	6.23	3.90	7.79	8.31	1.30	0.26	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.62	177.18	189.13	202.21	212.47	215.60	217.56	220.40	222.00	174.27	189.77
- STD. DEV.	0.00	11.62	8.26	8.20	10.99	6.65	7.05	10.01	10.74	0.00	19.75	19.20
WEIGHT - MEAN(gm)	0.00	56.88	85.80	108.24	128.75	159.07	159.23	169.66	181.40	168.00	86.67	111.13
- STD. DEV.	0.00	11.73	13.78	17.48	23.98	22.71	20.21	25.34	11.15	0.00	36.16	37.28

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	2	313	84	1	0	0
% AT STAGE	0.00	0.00	0.00	0.50	78.25	21.00	0.25	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	186	1	187
%	0.00	99.47	0.53	100.00
% SAMPLE WEIGHT	0.00	29.09	0.00	29.09

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	213	187	0	400
%	53.25	46.75	0.00	100.00
MEAN WEIGHT	102.36	121.11	0.00	111.13
% SAMP. WT.	49.05	50.95	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 25 - SKINCUTTLE INLET
SAMPLE NUMBERS: 295,231,299,304,244,256,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/97 - MAR 30/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	251	133	132	27	5	12	17	2	3	18	600
% AT AGE	0.00	43.13	22.85	22.68	4.64	0.86	2.06	2.92	0.34	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	161.03	177.09	190.15	199.15	205.80	210.83	213.18	224.00	226.00	181.78	176.72
- STD. DEV.	0.00	7.14	9.30	7.48	8.73	10.45	4.90	5.94	5.66	7.00	21.94	18.06
WEIGHT - MEAN(gm)	0.00	54.18	81.31	101.98	117.19	129.40	142.33	143.41	187.50	180.00	94.44	80.75
- STD. DEV.	0.00	10.08	14.62	14.41	18.56	18.39	14.91	16.64	21.92	24.33	39.51	31.08

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	15	16	70	377	73	33	12	0
% AT STAGE	0.67	2.50	2.67	11.67	62.83	12.17	5.50	2.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	63	224	16	303
%	20.79	73.93	5.28	100.00
% SAMPLE WEIGHT	1.99	22.47	0.05	24.51

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	292	303	5	600
%	48.67	50.50	0.83	100.00
MEAN WEIGHT	74.70	87.17	44.40	80.75
% SAMP. WT.	45.02	54.52	0.46	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 42 - AREA 4 NORTH
SAMPLE NUMBERS: 139,119,213,140,225,120,181,133,202,207, 220,141,121,135,114,117,122,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/97 - APR 3/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	231	998	165	57	84	64	38	5	53	1700
% AT AGE	0.00	0.30	14.03	60.60	10.02	3.46	5.10	3.89	2.31	0.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.00	166.44	178.53	192.30	200.67	205.79	211.67	212.97	220.20	188.53	182.72
- STD. DEV.	0.00	6.12	10.36	10.70	12.13	10.26	9.23	11.01	10.47	7.73	23.45	16.67
WEIGHT - MEAN(gm)	0.00	61.00	64.27	82.50	104.85	119.04	129.76	141.02	147.84	153.80	103.49	90.22
- STD. DEV.	0.00	10.17	15.24	18.66	21.35	20.29	18.60	22.01	25.46	28.14	42.21	29.03

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	11	0	343	1179	166	0	1	0
% AT STAGE	0.00	0.65	0.00	20.18	69.35	9.76	0.00	0.06	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	221	619	1	841
%	26.28	73.60	0.12	100.00
% SAMPLE WEIGHT	5.52	20.47	0.00	25.99

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	857	841	2	1700
%	50.41	49.47	0.12	100.00
MEAN WEIGHT	85.93	94.69	47.50	90.22
% SAMP. WT.	48.02	51.92	0.06	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 52 - KITKATLA INLET
SAMPLE NUMBERS: 198,218,179,222,206,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 22/97 - MAR 31/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	161	198	18	9	31	44	7	0	17	500
% AT AGE	0.00	3.11	33.33	40.99	3.73	1.86	6.42	9.11	1.45	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.60	169.70	181.54	189.67	202.33	206.65	207.55	205.57	0.00	182.59	181.95
- STD. DEV.	0.00	8.16	8.39	9.44	10.61	7.75	7.25	9.30	7.07	0.00	22.42	16.38
WEIGHT - MEAN(gm)	0.00	58.67	72.83	91.19	98.67	121.00	134.71	134.75	133.57	0.00	90.35	92.20
- STD. DEV.	0.00	10.05	13.35	16.47	18.99	19.46	17.46	18.68	16.14	0.00	36.05	27.32

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	29	345	124	2	0	0
% AT STAGE	0.00	0.00	0.00	5.80	69.00	24.80	0.40	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	23	212	1	236
%	9.75	89.83	0.42	100.00
% SAMPLE WEIGHT	2.06	24.24	0.00	26.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	264	236	0	500
%	52.80	47.20	0.00	100.00
MEAN WEIGHT	85.95	99.19	0.00	92.20
% SAMP. WT.	49.22	50.78	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 67 - LAREDO SOUND
SAMPLE NUMBERS: 291,270,262,271,277,293,269,282,273,290,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/97 - MAR 20/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	18	539	201	45	32	29	88	13	5	30	1000
% AT AGE	0.00	1.86	55.57	20.72	4.64	3.30	2.99	9.07	1.34	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.50	173.58	181.60	192.69	197.25	209.41	209.63	212.15	202.60	182.07	181.54
- STD. DEV.	0.00	11.44	10.20	8.97	10.09	11.47	12.37	9.96	9.55	5.86	21.60	16.74
WEIGHT - MEAN(gm)	0.00	48.06	75.74	88.27	102.76	109.81	137.52	139.16	139.31	114.80	95.83	89.07
- STD. DEV.	0.00	14.76	16.52	16.14	18.52	24.07	30.92	26.36	28.51	12.28	44.24	29.42

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	1	244	672	75	2	1	1
% AT STAGE	0.00	0.40	0.10	24.40	67.20	7.50	0.20	0.10	0.10

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	132	359	3	494
%	26.72	72.67	0.61	100.00
% SAMPLE WEIGHT	5.25	20.74	0.04	26.03

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	502	494	4	1000
%	50.20	49.40	0.40	100.00
MEAN WEIGHT	82.58	96.13	30.50	89.07
% SAMP. WT.	46.54	53.32	0.14	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 72 - POWELL ANCHORAGE
SAMPLE NUMBERS: 266,143,145,284,265,278,259,263,236,166,
249,163,268,286,250,274,261,276,251,281,
248,232,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/97 - MAR 28/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	41	1194	287	81	148	91	211	36	9	101	2199
% AT AGE	0.00	1.95	56.91	13.68	3.86	7.05	4.34	10.06	1.72	0.43	0.00	100.00
LENGTH - MEAN(mm)	0.00	144.51	171.41	180.10	189.07	203.34	209.85	212.64	213.97	215.11	178.99	181.61
- STD. DEV.	0.00	16.92	12.49	12.29	13.05	10.55	9.03	10.12	12.09	8.81	27.18	20.88
WEIGHT - MEAN(gm)	0.00	42.59	76.03	89.75	106.72	132.89	144.48	152.94	161.08	163.11	90.25	94.77
- STD. DEV.	0.00	17.88	18.66	20.19	26.77	21.94	21.53	25.25	30.74	23.91	41.31	36.72

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	9	8	3	264	1542	367	5	0	1
% AT STAGE	0.41	0.36	0.14	12.01	70.12	16.69	0.23	0.00	0.05

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	194	974	1	1169
%	16.60	83.32	0.09	100.00
% SAMPLE WEIGHT	2.90	24.18	0.00	27.08

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1022	1169	8	2199
%	46.48	53.16	0.36	100.00
MEAN WEIGHT	87.81	101.32	25.50	94.77
% SAMP. WT.	43.06	56.84	0.10	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 74 - THOMPSON BAY
SAMPLE NUMBERS: 254,216,240,147,233,156,258,287,283,142, 161,285,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 5/97 - MAR 24/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	30	703	177	38	75	48	74	17	6	32	1200
% AT AGE	0.00	2.57	60.19	15.15	3.25	6.42	4.11	6.34	1.46	0.51	0.00	100.00
LENGTH - MEAN(mm)	0.00	144.33	172.89	181.94	193.11	207.05	212.98	214.01	214.71	226.33	183.19	181.55
- STD. DEV.	0.00	15.17	11.95	12.13	11.10	9.16	10.91	8.27	7.97	11.33	29.08	20.14
WEIGHT - MEAN(gm)	0.00	41.70	77.60	90.90	109.55	141.92	153.71	153.91	158.65	184.17	92.31	93.52
- STD. DEV.	0.00	15.15	18.10	20.08	21.04	21.45	24.04	20.51	19.49	32.20	41.27	28.24

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	7	0	231	799	162	0	0	1
% AT STAGE	0.00	0.58	0.00	19.25	66.58	13.50	0.00	0.00	0.08

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	150	472	0	622
%	24.12	75.88	0.00	100.00
% SAMPLE WEIGHT	4.45	22.01	0.00	26.46

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	577	622	1	1200
%	48.08	51.83	0.08	100.00
MEAN WEIGHT	86.48	100.18	26.00	93.52
% SAMP. WT.	44.48	55.53	0.02	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 77 - MILBANKE SOUND
SAMPLE NUMBERS: 267,289,294,297,280,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 12/97 - MAR 23/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	12	249	108	20	32	21	32	2	2	22	500
% AT AGE	0.00	2.51	52.09	22.59	4.18	6.69	4.39	6.69	0.42	0.42	0.00	100.00
LENGTH - MEAN(mm)	0.00	155.17	174.92	183.22	194.70	201.47	203.86	212.19	210.50	208.00	180.14	182.83
- STD. DEV.	0.00	14.84	11.09	10.44	12.17	11.75	9.57	11.27	20.51	4.24	9.67	16.65
WEIGHT - MEAN(gm)	0.00	53.50	78.23	89.47	105.60	121.63	122.33	145.59	138.50	151.50	85.73	90.97
- STD. DEV.	0.00	17.66	17.72	18.56	24.21	25.52	24.62	27.82	28.99	16.26	20.65	28.87

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	0	43	351	104	0	0	0
% AT STAGE	0.00	0.40	0.00	8.60	70.20	20.80	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	29	227	0	256
%	11.33	88.67	0.00	100.00
% SAMPLE WEIGHT	2.35	24.11	0.00	26.46

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	244	256	0	500
%	48.80	51.20	0.00	100.00
MEAN WEIGHT	84.98	96.67	0.00	90.97
% SAMP. WT.	45.59	54.41	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 78 - NEEKAS INLET
SAMPLE NUMBERS: 153,275,260,296,264,288,255,252,272,253, 279,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/97 - MAR 25/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	26	584	194	26	62	43	95	22	8	40	1100
% AT AGE	0.00	2.45	55.09	18.30	2.45	5.85	4.06	8.96	2.08	0.75	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.38	170.02	179.82	188.96	206.08	206.44	210.74	216.77	220.88	177.35	180.25
- STD. DEV.	0.00	19.31	12.03	11.54	13.77	10.47	8.86	9.76	11.00	10.97	26.41	20.55
WEIGHT - MEAN(gm)	0.00	49.04	75.35	89.81	102.65	138.74	139.47	150.27	162.77	177.38	92.07	93.57
- STD. DEV.	0.00	17.78	18.75	19.00	25.93	22.56	24.73	25.13	22.92	24.37	43.85	36.20

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	2	1	91	809	192	2	2	0
% AT STAGE	0.09	0.18	0.09	8.27	73.55	17.45	0.18	0.18	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	76	515	1	592
%	12.84	86.99	0.17	100.00
% SAMPLE WEIGHT	2.10	25.21	0.00	27.31

SEX RATIO:

	MALE	FEMALE	MMATURE	TOTAL
NO.	507	592	1	1100
%	46.09	53.82	0.09	100.00
MEAN WEIGHT	88.25	98.23	32.00	93.57
% SAMP. WT.	43.47	56.50	0.03	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 85 - KWAKSHUA CHANNEL
SAMPLE NUMBERS: 245,292,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/97 - MAR 12/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	146	19	4	11	0	4	1	0	13	200
% AT AGE	0.00	1.07	78.07	10.16	2.14	5.88	0.00	2.14	0.53	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	167.10	178.00	183.50	192.73	0.00	205.75	214.00	0.00	170.69	171.01
- STD. DEV.	0.00	6.36	10.86	13.30	9.15	15.67	0.00	8.26	0.00	0.00	14.53	14.50
WEIGHT - MEAN(gm)	0.00	40.00	63.96	80.42	94.25	102.36	0.00	132.00	144.00	0.00	70.08	70.16
- STD. DEV.	0.00	2.83	14.84	21.13	21.84	28.94	0.00	15.66	0.00	0.00	19.49	22.30

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	2	1	112	76	6	0	0	0
% AT STAGE	1.50	1.00	0.50	56.00	38.00	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	69	21	0	90
%	76.67	23.33	0.00	100.00
% SAMPLE WEIGHT	15.60	6.84	0.00	22.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	107	90	3	200
%	53.50	45.00	1.50	100.00
MEAN WEIGHT	67.84	73.58	50.33	70.16
% SAMP. WT.	51.73	47.19	1.08	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 92 - RIVERS INLET MOUTH
SAMPLE NUMBERS: 230,223,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 23/97 - MAR 26/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	103	17	8	29	9	13	1	2	13	200
% AT AGE	0.00	2.67	55.08	9.09	4.28	15.51	4.81	6.95	0.53	1.07	0.00	100.00
LENGTH - MEAN(mm)	0.00	149.60	157.09	164.00	173.38	174.93	183.56	188.31	192.00	194.00	164.00	164.94
- STD. DEV.	0.00	3.78	12.53	12.17	13.07	10.96	5.41	11.79	0.00	11.31	15.73	16.11
WEIGHT - MEAN(gm)	0.00	40.00	52.83	58.35	61.50	60.00	67.00	73.77	73.00	74.00	52.69	56.67
- STD. DEV.	0.00	5.70	13.36	13.59	9.77	10.82	8.29	12.34	0.00	18.38	13.01	14.05

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	6	0	17	97	6	73	0	1
% AT STAGE	0.00	3.00	0.00	8.50	48.50	3.00	36.50	0.00	0.50

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	12	42	39	93
%	12.90	45.16	41.94	100.00
% SAMPLE WEIGHT	1.49	10.16	0.00	11.65

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	107	93	0	200
%	53.50	46.50	0.00	100.00
MEAN WEIGHT	55.07	58.51	0.00	56.67
% SAMP. WT.	51.99	48.01	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 93 - RIVERS INLET HEAD
SAMPLE NUMBERS: 192,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 25/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	62	15	4	6	3	5	0	2	0	100
% AT AGE	0.00	3.00	62.00	15.00	4.00	6.00	3.00	5.00	0.00	2.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	142.67	151.32	164.60	169.50	177.17	180.67	185.40	0.00	187.00	0.00	158.63
- STD. DEV.	0.00	20.55	12.12	12.36	11.56	9.66	9.24	10.48	0.00	11.31	0.00	16.62
WEIGHT - MEAN(gm)	0.00	36.67	39.32	51.40	57.00	62.50	62.67	70.80	0.00	70.50	0.00	46.05
- STD. DEV.	0.00	19.73	11.22	14.16	15.12	11.91	7.57	9.09	0.00	4.95	0.00	15.51

NJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	0	4	13	28	55	0
% AT STAGE	0.00	0.00	0.00	0.00	4.00	13.00	28.00	55.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	0	7	55	62
%	0.00	11.29	88.71	100.00
% SAMPLE WEIGHT	0.00	3.19	0.00	3.19

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	35	62	3	100
%	35.00	62.00	3.00	100.00
MEAN WEIGHT	43.40	47.52	44.33	46.05
% SAMP. WT.	33.14	63.97	2.89	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 102 - TAKUSH HARBOUR
SAMPLE NUMBERS: 224,211,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/97 - MAR 27/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	110	35	11	10	6	4	2	3	8	199
% AT AGE	0.00	5.24	57.59	18.32	5.76	5.24	3.14	2.09	1.05	1.57	0.00	100.00
LENGTH - MEAN(mm)	0.00	139.10	154.45	157.26	160.55	184.30	183.50	201.25	205.50	192.67	150.25	158.75
- STD. DEV.	0.00	14.97	13.91	12.36	7.92	14.29	8.31	9.95	14.85	11.68	21.49	18.39
WEIGHT - MEAN(gm)	0.00	35.00	53.66	54.94	58.64	96.70	88.17	117.00	133.50	105.67	50.13	59.19
- STD. DEV.	0.00	13.40	17.03	14.33	10.65	23.77	22.05	10.55	17.68	20.74	20.80	23.94

KIOST MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	1	0	15	153	29	0	0	0
% AT STAGE	0.50	0.50	0.00	7.54	76.88	14.57	0.00	0.00	0.00

AGE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	92	0	101
%	8.91	91.09	0.00	100.00
% SAMPLE WEIGHT	1.24	22.69	0.00	23.92

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	97	101	1	199
%	48.74	50.75	0.50	100.00
MEAN WEIGHT	52.70	63.75	25.00	59.19
% SAMP. WT.	43.60	56.20	0.21	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 122 - BEAVER HARBOUR
SAMPLE NUMBERS: 228,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 28/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	20	99	12	2	5	0	1	1	0	6	146
% AT AGE	0.00	20.83	67.29	12.50	2.08	5.21	0.00	1.04	1.04	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.60	161.56	171.25	165.00	168.80	0.00	169.00	178.00	0.00	160.75	162.47
- STD. DEV.	0.00	8.69	12.61	9.98	12.73	26.96	0.00	0.00	0.00	0.00	24.79	13.95
WEIGHT - MEAN(gm)	0.00	49.90	66.98	74.58	70.00	73.80	0.00	90.00	92.00	0.00	69.33	65.10
- STD. DEV.	0.00	7.30	19.29	13.06	22.63	35.16	0.00	0.00	0.00	0.00	25.50	17.60

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	1	77	59	11	0	1	0
% AT STAGE	0.00	2.00	1.00	77.00	59.00	11.00	0.00	1.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	RIPE	TOTAL
NO.	13	35	2	50
%	26.00	70.00	4.00	100.00
% SAMPLE WEIGHT	6.04	18.47	1.00	25.52

SEX RATIO:

	MALE	FEMALE	UNKNOWN	TOTAL
NO.	48	50	2	100
%	48.00	50.00	2.00	100.00
MEAN WEIGHT	61.04	69.96	61.50	65.50
% SAMP. WT.	48.04	50.70	1.26	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 125 - GILFORD ISLAND
SAMPLE NUMBERS: 227,191,215,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 11/97 - MAR 19/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	55	83	35	25	11	8	62	1	0	18	300
% AT AGE	0.71	19.50	29.43	12.41	8.87	3.90	2.84	21.99	0.35	0.00	0.00	100.00
LENGTH - MEAN(mm)	115.00	121.56	137.14	149.11	164.00	163.45	171.13	175.08	179.00	0.00	143.39	148.00
- STD. DEV.	9.90	7.70	18.55	19.87	15.26	12.60	15.61	11.36	0.00	0.00	20.18	24.48
WEIGHT - MEAN(gm)	18.50	22.38	36.87	48.83	63.68	64.55	73.25	77.39	84.00	0.00	42.83	48.59
- STD. DEV.	4.95	4.62	15.51	20.35	16.83	15.01	23.63	15.75	0.00	0.00	18.89	24.99

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	36	20	5	41	174	24	0	0	0
% AT STAGE	12.00	6.67	1.67	13.67	58.00	8.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	36	94	0	130
%	27.69	72.31	0.00	100.00
% SAMPLE WEIGHT	1.27	23.14	0.00	24.41

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	132	130	38	300
%	44.00	43.33	12.67	100.00
MEAN WEIGHT	52.94	52.25	21.00	48.59
% SAMP. WT.	47.94	46.59	5.47	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 133 - LOUGHBOROUGH INLET
SAMPLE NUMBERS: 221,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 9/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	23	58	13	0	0	0	0	0	0	0	6	100
% AT AGE	24.47	61.70	13.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	100.35	123.07	125.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.17	117.11
- STD. DEV.	6.54	7.37	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	12.44
WEIGHT - MEAN(gm)	12.04	25.60	26.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	22.00
- STD. DEV.	2.33	5.22	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	7.58

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	48	14	0	2	35	1	0	0	0
% AT STAGE	48.00	14.00	0.00	2.00	35.00	1.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	21	0	30
%	30.00	70.00	0.00	100.00
% SAMPLE WEIGHT	0.62	12.82	0.00	13.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	18	30	52	100
%	18.00	30.00	52.00	100.00
MEAN WEIGHT	26.56	27.03	17.52	22.00
% SAMP. WT.	21.73	36.86	41.41	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 142 - BAYNES SOUND
SAMPLE NUMBERS: 48, 89,107,102, 93, 97,137,131, 59, 3,
104,110,118,193,111, 86,105, 17,108, 40,
94, 98, 5, 73,127, 20, 92, 55, 82, 96,
42,130,116, 57, 21, 30,123,136,124, 44,
1, 12, 13,106, 19,195, 28,113,196,109,
101, 95,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 21/97 - MAR 20/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	287	2530	1152	322	363	138	81	4	2	312	5191
% AT AGE	0.00	5.88	51.85	23.61	6.60	7.44	2.83	1.66	0.08	0.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.59	182.39	193.91	203.26	210.48	213.70	219.36	223.25	225.50	191.96	188.86
- STD. DEV.	0.00	16.24	11.84	10.81	10.85	10.23	11.72	12.70	8.69	17.68	20.58	17.72
WEIGHT - MEAN(gm)	0.00	52.70	85.21	104.36	122.55	138.19	145.87	154.05	153.75	169.00	103.44	97.55
- STD. DEV.	0.00	17.27	17.82	19.81	22.62	21.73	25.40	28.04	25.25	42.43	35.15	29.92

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	15	54	7	670	3592	830	18	4	1
% AT STAGE	0.29	1.04	0.13	12.91	69.20	15.99	0.35	0.08	0.02

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	403	2236	8	2647
%	15.22	84.47	0.30	100.00
% SAMPLE WEIGHT	2.49	23.14	0.00	25.63

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	2522	2647	22	5191
%	48.58	50.99	0.42	100.00
MEAN WEIGHT	92.43	102.96	32.68	97.55
% SAMP. WT.	46.04	53.82	0.14	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 143 - QUALICUM
SAMPLE NUMBERS: 81, 24, 33,115, 34,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 27/97 - MAR 14/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	72	279	87	18	13	4	2	0	0	25	500
% AT AGE	0.00	15.16	58.74	18.32	3.79	2.74	0.84	0.42	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.29	178.04	191.07	195.39	205.38	215.50	221.50	0.00	0.00	176.72	179.78
- STD. DEV.	0.00	11.67	11.13	11.09	11.69	11.54	13.53	10.61	0.00	0.00	19.95	15.80
WEIGHT - MEAN(gm)	0.00	55.82	76.83	97.22	109.83	123.69	144.00	165.50	0.00	0.00	79.72	80.79
- STD. DEV.	0.00	12.69	15.87	20.05	19.01	21.17	22.74	6.36	0.00	0.00	29.99	24.23

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	8	3	100	339	43	5	2	0
% AT STAGE	0.00	1.60	0.60	20.00	67.80	8.60	1.00	0.40	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	59	166	2	227
%	25.99	73.13	0.88	100.00
% SAMPLE WEIGHT	4.24	18.40	0.00	22.64

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	271	227	2	500
%	54.20	45.40	0.40	100.00
MEAN WEIGHT	76.00	86.96	30.00	80.79
% SAMP. WT.	50.98	48.87	0.15	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 172 - NANOOSE BAY
SAMPLE NUMBERS: 15, 9, 8, 11, 38, 29,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/97 - MAR 11/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	125	299	93	18	13	9	3	1	3	35	600
% AT AGE	0.18	22.12	52.92	16.46	3.19	2.30	1.59	0.53	0.18	0.53	0.00	100.00
LENGTH - MEAN(mm)	123.00	147.61	173.89	186.42	201.11	207.31	218.67	221.00	233.00	226.00	166.20	172.63
- STD. DEV.	0.00	17.53	15.76	14.15	11.97	16.72	10.85	7.94	0.00	8.00	32.57	23.91
WEIGHT - MEAN(gm)	16.00	44.06	71.86	90.69	118.00	131.38	152.89	166.00	187.00	181.00	69.71	73.86
- STD. DEV.	0.00	17.17	20.16	21.15	21.70	30.40	15.29	15.62	0.00	19.70	38.65	32.21

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	5	48	38	260	234	14	1	0	0
% AT STAGE	0.83	8.00	6.33	43.33	39.00	2.33	0.17	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	160	128	0	288
%	55.56	44.44	0.00	100.00
% SAMPLE WEIGHT	8.88	12.85	0.00	21.73

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	305	288	7	600
%	50.83	48.00	1.17	100.00
MEAN WEIGHT	71.07	78.01	25.14	73.86
% SAMP. WT.	48.91	50.69	0.40	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 173 - YELLOW POINT
SAMPLE NUMBERS: 210, 22, 31,149, 90,219,201, 25,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 25/97 - MAR 22/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	305	315	94	19	13	10	5	1	0	36	800
% AT AGE	0.26	39.92	41.23	12.30	2.49	1.70	1.31	0.65	0.13	0.00	0.00	100.00
LENGTH - MEAN(mm)	107.50	147.70	170.92	185.39	188.79	203.69	214.90	215.80	231.00	0.00	163.97	165.16
- STD. DEV.	6.36	12.72	16.45	14.41	19.99	18.13	16.37	10.52	0.00	0.00	23.17	22.56
WEIGHT - MEAN(gm)	12.00	40.46	65.81	84.00	91.21	111.31	124.80	130.40	144.00	0.00	58.94	60.42
- STD. DEV.	2.83	11.54	20.02	21.02	25.17	24.44	27.45	11.84	0.00	0.00	30.39	26.90

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	13	104	15	219	326	38	82	1	2
% AT STAGE	1.63	13.00	1.88	27.38	40.75	4.75	10.25	0.13	0.25

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	177	161	40	378
%	46.83	42.59	10.58	100.00
% SAMPLE WEIGHT	4.27	11.38	0.00	15.65

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	395	378	27	800
%	49.38	47.25	3.38	100.00
MEAN WEIGHT	60.60	62.39	30.11	60.42
% SAMP. WT.	49.52	48.79	1.68	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 187,132,125,165,159,162, 45,146,177,171,
155, 46, 80,160, 47,172, 35,184,174,194,
126,186, 83,129,185,169, 50, 91, 41,176,
182,175,134,150,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 20/97 - MAR 10/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	87	2228	279	150	191	141	115	22	13	173	3399
% AT AGE	0.00	2.70	69.06	8.65	4.65	5.92	4.37	3.56	0.68	0.40	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.37	183.80	192.22	205.59	215.53	221.47	225.73	228.23	232.46	196.75	190.88
- STD. DEV.	0.00	10.02	10.46	11.10	10.86	8.35	8.54	8.65	7.20	5.91	20.88	17.67
WEIGHT - MEAN(gm)	0.00	64.30	91.31	104.23	132.92	150.72	165.25	176.07	173.55	182.38	115.17	104.89
- STD. DEV.	0.00	13.14	17.21	20.16	23.62	21.07	23.30	18.96	17.13	18.86	38.41	33.02

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	4	1	237	2498	649	6	2	0
% AT STAGE	0.06	0.12	0.03	6.97	73.49	19.09	0.18	0.06	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	161	1581	2	1744
%	9.23	90.65	0.11	100.00
% SAMPLE WEIGHT	1.48	24.82	0.00	26.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1653	1744	2	3399
%	48.63	51.31	0.06	100.00
MEAN WEIGHT	98.70	110.80	66.50	104.89
% SAMP. WT.	45.76	54.20	0.04	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 243 - SYDNEY INLET
SAMPLE NUMBERS: 190,128, 43, 14,188,138,180,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 21/97 - MAR 15/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	16	459	45	23	39	39	32	3	3	41	700
% AT AGE	0.00	2.43	69.65	6.83	3.49	5.92	5.92	4.86	0.46	0.46	0.00	100.00
LENGTH - MEAN(mm)	0.00	162.44	184.52	193.51	206.43	215.87	218.00	226.56	229.00	228.33	195.95	191.90
- STD. DEV.	0.00	13.26	10.14	10.03	13.44	10.13	13.20	12.38	9.85	6.51	20.45	18.16
WEIGHT - MEAN(gm)	0.00	62.63	92.50	111.20	134.87	156.10	162.36	181.81	168.67	193.67	115.59	108.04
- STD. DEV.	0.00	16.03	16.31	24.84	28.04	24.44	25.49	29.93	17.62	30.92	41.64	35.74

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	68	536	96	0	0	0
% AT STAGE	0.00	0.00	0.00	9.71	76.57	13.71	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	36	306	0	342
%	10.53	89.47	0.00	100.00
% SAMPLE WEIGHT	1.92	24.74	0.00	26.66

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	358	342	0	700
%	51.14	48.86	0.00	100.00
MEAN WEIGHT	101.98	114.39	0.00	108.04
% SAMP. WT.	48.27	51.73	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 244 - MILLER CHANNEL
SAMPLE NUMBERS: 148,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 9/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	74	5	4	7	5	3	0	0	0	100
% AT AGE	0.00	2.00	74.00	5.00	4.00	7.00	5.00	3.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	182.88	186.40	212.50	216.71	216.20	228.33	0.00	0.00	0.00	189.11
- STD. DEV.	0.00	3.54	9.56	12.22	5.45	5.09	2.77	4.04	0.00	0.00	0.00	16.95
WEIGHT - MEAN(gm)	0.00	57.00	91.92	100.00	154.00	157.86	157.00	188.67	0.00	0.00	0.00	104.88
- STD. DEV.	0.00	7.07	15.34	19.39	10.13	17.45	8.15	13.01	0.00	0.00	0.00	32.18

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	1	78	21	0	0	0
% AT STAGE	0.00	0.00	0.00	1.00	78.00	21.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	1	56	0	57
%	1.75	98.25	0.00	100.00
% SAMPLE WEIGHT	0.20	27.64	0.00	27.84

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	43	57	0	100
%	43.00	57.00	0.00	100.00
MEAN WEIGHT	96.40	111.28	0.00	104.88
% SAMP. WT.	39.52	60.48	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 249 - OFFSHORE AREA 24
SAMPLE NUMBERS: 183,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	70	5	3	5	4	5	1	0	5	100
% AT AGE	0.00	2.11	73.68	5.26	3.16	5.26	4.21	5.26	1.05	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	157.00	183.67	183.60	204.00	208.40	228.25	227.40	230.00	0.00	193.60	189.91
- STD. DEV.	0.00	0.00	10.77	11.26	5.29	5.86	6.24	10.53	0.00	0.00	13.05	17.96
WEIGHT - MEAN(gm)	0.00	51.50	87.27	87.80	121.33	132.00	176.25	181.80	204.00	0.00	106.20	100.24
- STD. DEV.	0.00	4.95	16.12	16.21	11.93	19.22	10.87	11.05	0.00	0.00	28.40	34.21

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	0	17	62	17	0	0	0
% AT STAGE	0.00	4.00	0.00	17.00	62.00	17.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	17	28	0	45
%	37.78	62.22	0.00	100.00
% SAMPLE WEIGHT	5.62	18.22	0.00	23.85

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	54	45	1	100
%	54.00	45.00	1.00	100.00
MEAN WEIGHT	96.33	105.49	75.00	100.24
% SAMP. WT.	51.90	47.36	0.75	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 252 - NOOTKA SOUND
SAMPLE NUMBERS: 170,173, 49,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 23/97 - MAR 3/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	4	217	16	9	22	12	3	0	1	16	300
% AT AGE	0.00	1.41	76.41	5.63	3.17	7.75	4.23	1.06	0.00	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	172.25	185.40	191.00	200.78	209.82	220.67	225.00	0.00	223.00	186.44	189.76
- STD. DEV.	0.00	7.14	9.50	11.21	10.28	6.11	8.66	7.55	0.00	0.00	17.20	14.20
WEIGHT - MEAN(gm)	0.00	82.50	94.87	107.00	125.11	138.82	160.67	163.67	0.00	142.00	97.19	103.08
- STD. DEV.	0.00	13.38	16.28	18.97	23.25	18.77	16.02	8.96	0.00	0.00	29.65	25.41

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	32	194	70	3	0	0
% AT STAGE	0.00	0.33	0.00	10.67	64.67	23.33	1.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	23	131	0	154
%	14.94	85.06	0.00	100.00
% SAMPLE WEIGHT	2.72	23.59	0.00	26.31

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	146	154	0	300
%	48.67	51.33	0.00	100.00
MEAN WEIGHT	100.83	105.21	0.00	103.08
% SAMP. WT.	47.60	52.40	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 253 - ESPERANZA INLET
SAMPLE NUMBERS: 151,205,200,152, 39,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/97 - MAR 2/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	6	300	34	19	63	38	13	2	0	24	500
% AT AGE	0.21	1.26	63.03	7.14	3.99	13.24	7.98	2.73	0.42	0.00	0.00	100.00
LENGTH - MEAN(mm)	159.00	168.17	183.22	193.38	209.11	212.71	216.74	225.31	228.50	0.00	195.83	192.81
- STD. DEV.	0.00	5.67	10.23	11.72	8.12	8.88	9.08	8.01	2.12	0.00	18.96	17.61
WEIGHT - MEAN(gm)	54.00	67.33	90.84	109.06	135.16	141.54	150.76	174.85	165.00	0.00	111.42	107.82
- STD. DEV.	0.00	4.80	17.73	22.53	17.78	22.00	21.56	21.26	35.36	0.00	35.05	32.25

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	19	378	103	0	0	0
% AT STAGE	0.00	0.00	0.00	3.80	75.60	20.60	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	13	246	0	259
%	5.02	94.98	0.00	100.00
% SAMPLE WEIGHT	0.88	26.16	0.00	27.03

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	241	259	0	500
%	48.20	51.80	0.00	100.00
MEAN WEIGHT	98.56	116.44	0.00	107.82
% SAMP. WT.	44.06	55.94	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 272 - BROOKS BAY
SAMPLE NUMBERS: 76, 23,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/97 - MAR 11/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	3	152	15	6	7	4	4	0	0	9	200
% AT AGE	0.00	1.57	79.58	7.85	3.14	3.66	2.09	2.09	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	154.67	176.20	199.33	206.83	204.29	213.75	223.00	0.00	0.00	177.33	181.26
- STD. DEV.	0.00	6.51	9.69	11.50	6.74	12.88	7.09	10.80	0.00	0.00	12.41	15.68
WEIGHT - MEAN(gm)	0.00	53.67	80.86	110.13	127.67	124.00	137.50	151.50	0.00	0.00	80.00	88.07
- STD. DEV.	0.00	5.51	14.73	17.41	19.61	26.44	14.48	27.72	0.00	0.00	22.75	23.92

HJORT MATURITY STAGES:

	MATURITY STAGE							
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	24	154	19	3	0	0
% AT STAGE	0.00	0.00	0.00	12.00	77.00	9.50	1.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	6	68	1	75
%	8.00	90.67	1.33	100.00
% SAMPLE WEIGHT	1.38	23.00	0.00	24.39

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	125	75	0	200
%	62.50	37.50	0.00	100.00
MEAN WEIGHT	85.43	92.45	0.00	88.07
% SAMP. WT.	60.63	39.37	0.00	100.00

Table 12. (cont'd) Test fishing sample summaries by section

SECTION: 273 - FORWARD INLET
SAMPLE NUMBERS: 6, 27, 16, 85,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/97 - MAR 13/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	20	289	27	3	16	23	5	0	0	17	400
% AT AGE	0.00	5.22	75.46	7.05	0.78	4.18	6.01	1.31	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.15	177.92	192.07	206.67	212.25	216.48	221.20	0.00	0.00	174.47	181.79
- STD. DEV.	0.00	13.44	9.63	11.70	8.39	10.47	8.70	11.90	0.00	0.00	19.02	17.44
WEIGHT - MEAN(gm)	0.00	46.70	82.68	108.63	143.00	137.75	151.43	163.00	0.00	0.00	79.76	90.12
- STD. DEV.	0.00	12.44	15.18	19.09	19.08	22.72	19.26	36.36	0.00	0.00	33.09	29.22

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	1	55	293	50	0	0	0
% AT STAGE	0.25	0.00	0.25	13.75	73.25	12.50	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	24	149	0	173
%	13.87	86.13	0.00	100.00
% SAMPLE WEIGHT	2.42	24.12	0.00	26.55

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	226	173	1	400
%	56.50	43.25	0.25	100.00
MEAN WEIGHT	86.66	94.98	30.00	90.12
% SAMP. WT.	54.33	45.58	0.08	100.00

Table 13. Test fishing sample summaries by statistical area

AREA: 2W - WEST COAST Q.C.I.
SAMPLE NUMBERS: 243,302,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/97 - MAR 23/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	70	82	28	4	1	2	5	2	1	5	200
% AT AGE	0.00	35.90	42.05	14.36	2.05	0.51	1.03	2.56	1.03	0.51	0.00	100.00
LENGTH - MEAN(mm)	0.00	169.70	191.98	198.14	215.00	223.00	205.00	229.00	228.00	242.00	199.80	187.52
- STD. DEV.	0.00	6.30	10.75	11.73	4.24	0.00	12.73	2.83	9.90	0.00	28.63	18.34
WEIGHT - MEAN(gm)	0.00	65.64	103.33	116.79	127.25	130.00	128.50	178.00	158.00	169.00	118.20	96.00
- STD. DEV.	0.00	8.25	18.69	23.74	16.07	0.00	17.68	25.70	9.90	0.00	47.65	31.58

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	13	127	56	4	0	0
% AT STAGE	0.00	0.00	0.00	6.50	63.50	28.00	2.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	13	101	0	114
%	11.40	88.60	0.00	100.00
% SAMPLE WEIGHT	1.81	23.39	0.00	25.21

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	86	114	0	200
%	43.00	57.00	0.00	100.00
MEAN WEIGHT	92.48	98.66	0.00	96.00
% SAMP. WT.	41.42	58.58	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 2E - EAST COAST Q.C.I.
SAMPLE NUMBERS: 305,256,298,304,244,257,301,247,307,295,
300,231,299,306,246,241,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 8/97 - APR 5/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	395	353	522	82	24	71	83	12	5	53	1600
% AT AGE	0.00	25.53	22.82	33.74	5.30	1.55	4.59	5.37	0.78	0.32	0.00	100.00
LENGTH - MEAN(mm)	0.00	160.28	177.38	189.58	199.70	210.04	214.68	216.81	217.58	222.40	178.60	182.95
- STD. DEV.	0.00	7.68	8.53	7.47	9.54	7.80	7.17	8.46	9.39	7.83	19.72	19.12
WEIGHT - MEAN(gm)	0.00	54.91	83.59	104.61	121.41	151.92	152.62	159.45	164.08	171.40	89.89	94.42
- STD. DEV.	0.00	9.70	13.82	15.06	20.37	24.90	20.03	22.36	31.22	21.90	33.11	34.84

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	4	15	16	117	1139	260	37	12	0
% AT STAGE	0.25	0.94	1.00	7.31	71.19	16.25	2.31	0.75	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	94	662	18	774
%	12.14	85.53	2.33	100.00
% SAMPLE WEIGHT	1.45	25.30	0.02	26.77

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	821	774	5	1600
%	51.31	48.38	0.31	100.00
MEAN WEIGHT	87.54	102.03	44.40	94.42
% SAMP. WT.	47.58	52.28	0.15	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 4 - SKEENA
SAMPLE NUMBERS: 220,141,207,120,181,133,202,121,135,114,
117,122,119,213,140,225,139,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 14/97 - APR 3/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	5	231	998	165	57	84	64	38	5	53	1700
% AT AGE	0.00	0.30	14.03	60.60	10.02	3.46	5.10	3.89	2.31	0.30	0.00	100.00
LENGTH - MEAN(mm)	0.00	164.00	166.44	178.53	192.30	200.67	205.79	211.67	212.97	220.20	188.53	182.72
- STD. DEV.	0.00	6.12	10.36	10.70	12.13	10.26	9.23	11.01	10.47	7.73	23.45	16.67
WEIGHT - MEAN(gm)	0.00	61.00	64.27	82.50	104.85	119.04	129.76	141.02	147.84	153.80	103.49	90.22
- STD. DEV.	0.00	10.17	15.24	18.66	21.35	20.29	18.60	22.01	25.46	28.14	42.21	29.03

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	11	0	343	1179	166	0	1	0
% AT STAGE	0.00	0.65	0.00	20.18	69.35	9.76	0.00	0.06	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	221	619	1	841
%	26.28	73.60	0.12	100.00
% SAMPLE WEIGHT	5.52	20.47	0.00	25.99

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	857	841	2	1700
%	50.41	49.47	0.12	100.00
MEAN WEIGHT	85.93	94.69	47.50	90.22
% SAMP. WT.	48.02	51.92	0.06	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 5 - GRENVILLE-PRINCIPE
SAMPLE NUMBERS: 206,222,198,179,218,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 22/97 - MAR 31/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	15	161	198	18	9	31	44	7	0	17	500
% AT AGE	0.00	3.11	33.33	40.99	3.73	1.86	6.42	9.11	1.45	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.60	169.70	181.54	189.67	202.33	206.65	207.55	205.57	0.00	182.59	181.95
- STD. DEV.	0.00	8.16	8.39	9.44	10.61	7.75	7.25	9.30	7.07	0.00	22.42	16.38
WEIGHT - MEAN(gm)	0.00	58.67	72.83	91.19	98.67	121.00	134.71	134.75	133.57	0.00	90.35	92.20
- STD. DEV.	0.00	10.05	13.35	16.47	18.99	19.46	17.46	18.68	16.14	0.00	36.05	27.32

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	0	0	29	345	124	2	0	0
% AT STAGE	0.00	0.00	0.00	5.80	69.00	24.80	0.40	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	23	212	1	236
%	9.75	89.83	0.42	100.00
% SAMPLE WEIGHT	2.06	24.24	0.00	26.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	264	236	0	500
%	52.80	47.20	0.00	100.00
MEAN WEIGHT	85.95	99.19	0.00	92.20
% SAMP. WT.	49.22	50.78	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 6 - BUTEDALE
SAMPLE NUMBERS: 271,277,293,269,282,273,290,270,291,262,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 6/97 - MAR 20/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	18	539	201	45	32	29	88	13	5	30	1000
% AT AGE	0.00	1.86	55.57	20.72	4.64	3.30	2.99	9.07	1.34	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.50	173.58	181.60	192.69	197.25	209.41	209.63	212.15	202.60	182.07	181.54
- STD. DEV.	0.00	11.44	10.20	8.97	10.09	11.47	12.37	9.96	9.55	5.86	21.60	16.74
WEIGHT - MEAN(gm)	0.00	48.06	75.74	88.27	102.76	109.81	137.52	139.16	139.31	114.80	95.83	89.07
- STD. DEV.	0.00	14.76	16.52	16.14	18.52	24.07	30.92	26.36	28.51	12.28	44.24	29.42

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	1	244	672	75	2	1	1
% AT STAGE	0.00	0.40	0.10	24.40	67.20	7.50	0.20	0.10	0.10

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	132	359	3	494
%	26.72	72.67	0.61	100.00
% SAMPLE WEIGHT	5.25	20.74	0.04	26.03

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	502	494	4	1000
%	50.20	49.40	0.40	100.00
MEAN WEIGHT	82.58	96.13	30.50	89.07
% SAMP. WT.	46.54	53.32	0.14	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 7 - BELLA BELLA
SAMPLE NUMBERS: 280,268,286,233,297,250,274,296,248,260,
254,232,216,240,147,261,153,275,276,251,
281,266,279,143,285,145,267,284,265,289,
161,253,278,283,142,272,259,252,287,263,
236,258,156,166,255,249,163,264,294,288,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 4/97 - MAR 28/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	109	2730	766	165	317	203	412	77	25	195	4999
% AT AGE	0.00	2.27	56.83	15.95	3.43	6.60	4.23	8.58	1.60	0.52	0.00	100.00
LENGTH - MEAN(mm)	0.00	146.80	171.81	180.90	190.67	204.56	209.25	212.41	214.84	219.08	179.47	181.42
- STD. DEV.	0.00	17.02	12.20	11.87	12.73	10.47	9.88	9.85	11.03	10.90	25.88	20.26
WEIGHT - MEAN(gm)	0.00	45.08	76.49	89.99	106.59	135.03	143.31	151.93	160.44	171.80	90.45	93.82
- STD. DEV.	0.00	17.38	18.47	19.61	24.99	22.98	24.57	24.66	26.20	26.50	39.85	35.55

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	10	19	4	629	3501	825	7	2	2
% AT STAGE	0.20	0.38	0.08	12.58	70.03	16.50	0.14	0.04	0.04

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	449	2188	2	2639
%	17.01	82.91	0.08	100.00
% SAMPLE WEIGHT	3.04	23.89	0.00	26.93

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	2350	2639	10	4999
%	47.01	52.79	0.20	100.00
MEAN WEIGHT	87.28	99.91	26.20	93.82
% SAMP. WT.	43.73	56.22	0.06	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 8 - BELLA COOLA
SAMPLE NUMBERS: 245,292,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 2/97 - MAR 12/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	2	146	19	4	11	0	4	1	0	13	200
% AT AGE	0.00	1.07	78.07	10.16	2.14	5.88	0.00	2.14	0.53	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	156.50	167.10	178.00	183.50	192.73	0.00	205.75	214.00	0.00	170.69	171.01
- STD. DEV.	0.00	6.36	10.86	13.30	9.15	15.67	0.00	8.26	0.00	0.00	14.53	14.50
WEIGHT - MEAN(gm)	0.00	40.00	63.96	80.42	94.25	102.36	0.00	132.00	144.00	0.00	70.08	70.16
- STD. DEV.	0.00	2.83	14.84	21.13	21.84	28.94	0.00	15.66	0.00	0.00	19.49	22.30

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	3	2	1	112	76	6	0	0	0
% AT STAGE	1.50	1.00	0.50	56.00	38.00	3.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	69	21	0	90
%	76.67	23.33	0.00	100.00
% SAMPLE WEIGHT	15.60	6.84	0.00	22.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	107	90	3	200
%	53.50	45.00	1.50	100.00
MEAN WEIGHT	67.84	73.58	50.33	70.16
% SAMP. WT.	51.73	47.19	1.08	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 9 - RIVERS INLET
SAMPLE NUMBERS: 192,230,223,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 23/97 - MAR 26/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	8	165	32	12	35	12	18	1	4	13	300
% AT AGE	0.00	2.79	57.49	11.15	4.18	12.20	4.18	6.27	0.35	1.39	0.00	100.00
LENGTH - MEAN(mm)	0.00	147.00	154.92	164.28	172.08	175.31	182.83	187.50	192.00	190.50	164.00	162.84
- STD. DEV.	0.00	11.90	12.65	12.06	12.20	10.65	6.21	11.21	0.00	10.08	15.73	16.53
WEIGHT - MEAN(gm)	0.00	38.75	47.76	55.09	60.00	60.43	65.92	72.94	73.00	72.25	52.69	53.13
- STD. DEV.	0.00	11.52	14.18	14.08	11.31	10.87	8.02	11.35	0.00	11.18	13.01	15.37

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	6	0	17	101	19	101	55	1
% AT STAGE	0.00	2.00	0.00	5.67	33.67	6.33	33.67	18.33	0.33

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	12	49	94	155
%	7.74	31.61	60.65	100.00
% SAMPLE WEIGHT	0.97	7.71	0.00	8.68

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	142	155	3	300
%	47.33	51.67	1.00	100.00
MEAN WEIGHT	52.25	54.11	44.33	53.13
% SAMP. WT.	46.55	52.62	0.83	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 10 - SMITH INLET
SAMPLE NUMBERS: 224,211,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 13/97 - MAR 27/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	10	110	35	11	10	6	4	2	3	8	199
% AT AGE	0.00	5.24	57.59	18.32	5.76	5.24	3.14	2.09	1.05	1.57	0.00	100.00
LENGTH - MEAN(mm)	0.00	139.10	154.45	157.26	160.55	184.30	183.50	201.25	205.50	192.67	150.25	158.75
- STD. DEV.	0.00	14.97	13.91	12.36	7.92	14.29	8.31	9.95	14.85	11.68	21.49	18.39
WEIGHT - MEAN(gm)	0.00	35.80	53.66	54.94	58.64	96.70	88.17	117.00	133.50	105.67	50.13	59.19
- STD. DEV.	0.00	13.40	17.03	14.33	10.65	23.77	22.05	10.55	17.68	20.74	20.80	23.94

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	1	0	15	153	29	0	0	0
% AT STAGE	0.50	0.50	0.00	7.54	76.88	14.57	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	92	0	101
%	8.91	91.09	0.00	100.00
% SAMPLE WEIGHT	1.34	22.48	0.00	23.82

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	97	101	1	199
%	48.74	50.75	0.50	100.00
MEAN WEIGHT	52.70	65.75	25.00	59.19
% SAMP. WT.	43.40	56.38	0.21	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 12 - ALERT BAY
SAMPLE NUMBERS: 191,227,228,215,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 11/97 - MAR 28/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	2	75	138	47	27	16	8	63	2	0	22	400
% AT AGE	0.53	19.84	36.51	12.43	7.14	4.23	2.12	16.67	0.53	0.00	0.00	100.00
LENGTH - MEAN(mm)	115.00	129.84	147.67	154.77	164.07	165.13	171.13	174.67	178.50	0.00	146.55	151.62
- STD. DEV.	9.90	15.90	20.86	20.27	14.87	17.50	15.61	11.74	0.71	0.00	21.55	23.17
WEIGHT - MEAN(gm)	18.50	29.72	48.87	55.40	64.52	67.44	73.25	76.95	83.00	0.00	47.64	52.71
- STD. DEV.	4.95	13.39	21.33	21.81	17.04	22.34	23.63	15.99	1.41	0.00	22.16	24.37

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	36	22	6	63	233	35	4	1	0
% AT STAGE	9.00	5.50	1.50	15.75	58.25	8.75	1.00	0.25	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	49	129	2	180
%	27.22	71.67	1.11	100.00
% SAMPLE WEIGHT	2.21	21.56	0.00	23.76

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	180	180	40	400
%	45.00	45.00	10.00	100.00
MEAN WEIGHT	55.10	57.14	22.00	52.71
% SAMP. WT.	47.04	48.78	4.17	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 13 - QUATHIASKI
SAMPLE NUMBERS: 221,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: MAR 9/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	23	58	13	0	0	0	0	0	0	0	6	100
% AT AGE	24.47	61.70	13.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	100.35	123.07	125.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.17	117.11
- STD. DEV.	6.54	7.37	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20	12.44
WEIGHT - MEAN(gm)	12.04	25.60	26.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	22.00
- STD. DEV.	2.33	5.22	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	7.58

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	48	14	0	2	35	1	0	0	0
% AT STAGE	48.00	14.00	0.00	2.00	35.00	1.00	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	9	21	0	30
%	30.00	70.00	0.00	100.00
% SAMPLE WEIGHT	0.62	12.82	0.00	13.44

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	18	30	52	100
%	18.00	30.00	52.00	100.00
MEAN WEIGHT	26.56	27.03	17.52	22.00
% SAMP. WT.	21.73	36.86	41.41	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 14 - COMOX
SAMPLE NUMBERS: 48, 89,107,102, 93, 97,137,131, 59, 34,
3,104,110,118,193,111, 86,105, 17,127,
108, 40, 94, 98, 5, 73,195, 28,113,106,
19, 81,109,101, 95,196,130,116, 57, 21,
123, 30,136,115, 20, 92, 55, 82, 96, 42,
33,124, 44, 1, 24, 12, 13,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 21/97 - MAR 20/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	359	2809	1239	340	376	142	83	4	2	337	5691
% AT AGE	0.00	6.71	52.47	23.14	6.35	7.02	2.65	1.55	0.07	0.04	0.00	100.00
LENGTH - MEAN(mm)	0.00	158.53	181.95	193.71	202.85	210.30	213.75	219.41	223.25	225.50	190.83	188.07
- STD. DEV.	0.00	15.54	11.85	10.85	11.02	10.30	11.72	12.61	8.69	17.68	20.89	17.74
WEIGHT - MEAN(gm)	0.00	53.32	84.37	103.85	121.88	137.69	145.82	154.33	153.75	169.00	101.68	96.08
- STD. DEV.	0.00	16.49	17.81	19.90	22.60	21.85	25.26	27.76	25.25	42.43	35.30	29.84

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	15	62	10	770	3931	873	23	6	1
% AT STAGE	0.26	1.09	0.18	13.53	69.07	15.34	0.40	0.11	0.02

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	462	2402	10	2874
%	16.08	83.58	0.35	100.00
% SAMPLE WEIGHT	2.61	22.82	0.00	25.43

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	2793	2874	24	5691
%	49.08	50.50	0.42	100.00
MEAN WEIGHT	90.84	101.70	32.46	96.08
% SAMP. WT.	46.40	53.46	0.14	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 17 - NANAIMO
SAMPLE NUMBERS: 22, 31, 11, 8, 9, 29, 38,210,149, 90, 201, 25, 15,219,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 24/97 - MAR 22/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	3	430	614	187	37	26	19	8	2	3	71	1400
% AT AGE	0.23	32.36	46.20	14.07	2.78	1.96	1.43	0.60	0.15	0.23	0.00	100.00
LENGTH - MEAN(mm)	112.67	147.67	172.37	185.90	194.78	205.50	216.68	217.75	232.00	226.00	165.07	168.36
- STD. DEV.	10.02	14.26	16.17	14.25	17.51	17.18	13.78	9.41	1.41	8.00	28.02	23.44
WEIGHT - MEAN(gm)	13.33	41.50	68.76	87.33	104.24	121.35	138.11	143.75	165.50	181.00	64.25	66.18
- STD. DEV.	3.06	13.50	20.30	21.29	26.90	28.90	26.24	22.12	30.41	19.70	34.88	30.03

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	18	152	53	479	560	52	83	1	2
% AT STAGE	1.29	10.86	3.79	34.21	40.00	3.71	5.93	0.07	0.14

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	337	289	40	666
%	50.60	43.39	6.01	100.00
% SAMPLE WEIGHT	6.52	12.10	0.00	18.61

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	700	666	34	1400
%	50.00	47.57	2.43	100.00
MEAN WEIGHT	65.16	69.15	29.09	66.18
% SAMP. WT.	49.23	49.70	1.07	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 23 - BARKLEY SOUND
SAMPLE NUMBERS: 165,159,162, 45,146,177,171,155, 46,187,
132,125, 80,160, 47,172, 35,184,174,194,
126,185,169, 50, 91, 41,176,150,182,175,
134, 83,129,186,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 20/97 - MAR 10/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	87	2228	279	150	191	141	115	22	13	173	3399
% AT AGE	0.00	2.70	69.06	8.65	4.65	5.92	4.37	3.56	0.68	0.40	0.00	100.00
LENGTH - MEAN(mm)	0.00	165.37	183.80	192.22	205.59	215.53	221.47	225.73	228.23	232.46	196.75	190.88
- STD. DEV.	0.00	10.02	10.46	11.10	10.86	8.35	8.54	8.65	7.20	5.91	20.88	17.67
WEIGHT - MEAN(gm)	0.00	64.30	91.31	104.23	132.92	150.72	165.25	176.07	173.55	182.38	115.17	104.89
- STD. DEV.	0.00	13.14	17.21	20.16	23.62	21.07	23.30	18.96	17.13	18.86	38.41	33.02

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	2	4	1	237	2498	649	6	2	0
% AT STAGE	0.06	0.12	0.03	6.97	73.49	19.09	0.18	0.06	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	161	1581	2	1744
%	9.23	90.65	0.11	100.00
% SAMPLE WEIGHT	1.48	24.82	0.00	26.30

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1653	1744	2	3399
%	48.63	51.31	0.06	100.00
MEAN WEIGHT	98.70	110.80	66.50	104.89
% SAMP. WT.	45.76	54.20	0.04	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 24 - CLAYOQUOT SOUND
SAMPLE NUMBERS: 43, 14,190,128,188,138,180,148,183,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 21/97 - MAR 15/97

SPECIMENS AT EACH AGE:

	AGE										
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	20	603	55	30	51	48	40	4	3	46	900
% AT AGE	0.00	2.34	70.61	6.44	3.51	5.97	5.62	4.68	0.47	0.35	0.00	100.00
LENGTH - MEAN(mm)	0.00	161.30	184.22	191.96	207.00	215.25	218.67	226.80	229.25	228.33	195.70	191.37
- STD. DEV.	0.00	12.04	10.15	10.67	12.14	9.44	12.37	11.59	8.06	6.51	19.68	18.02
WEIGHT - MEAN(gm)	0.00	60.95	91.82	108.05	136.07	153.98	162.96	182.32	177.50	193.67	114.57	106.82
- STD. DEV.	0.00	14.84	16.23	24.54	26.17	23.96	23.62	27.14	22.78	30.92	40.27	35.25

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	4	0	86	676	134	0	0	0
% AT STAGE	0.00	0.44	0.00	9.56	75.11	14.89	0.00	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	54	390	0	444
%	12.16	87.84	0.00	100.00
% SAMPLE WEIGHT	2.05	24.49	0.00	26.54

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	455	444	1	900
%	50.56	49.33	0.11	100.00
MEAN WEIGHT	100.78	113.09	75.00	106.82
% SAMP. WT.	47.70	52.23	0.08	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 25 - NOOTKA SOUND
SAMPLE NUMBERS: 170,152, 39,200,173, 49,205,151,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 23/97 - MAR 3/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	1	10	517	50	28	85	50	16	2	1	40	800
% AT AGE	0.13	1.32	68.03	6.58	3.68	11.18	6.58	2.11	0.26	0.13	0.00	100.00
LENGTH - MEAN(mm)	159.00	169.80	184.14	192.62	206.43	211.96	217.68	225.25	228.50	223.00	192.07	191.67
- STD. DEV.	0.00	6.27	9.98	11.50	9.54	8.31	9.05	7.68	2.12	0.00	18.64	16.48
WEIGHT - MEAN(gm)	54.00	73.40	92.53	108.40	131.93	140.84	153.14	172.75	165.00	142.00	105.72	106.04
- STD. DEV.	0.00	11.57	17.24	21.28	19.84	21.14	20.66	19.82	35.36	0.00	33.35	29.94

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	1	0	51	572	173	3	0	0
% AT STAGE	0.00	0.13	0.00	6.38	71.50	21.63	0.38	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	36	377	0	413
%	8.72	91.28	0.00	100.00
% SAMPLE WEIGHT	1.52	25.26	0.00	26.78

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	387	413	0	800
%	48.38	51.63	0.00	100.00
MEAN WEIGHT	99.41	112.25	0.00	106.04
% SAMP. WT.	45.35	54.65	0.00	100.00

Table 13. (cont'd) Test fishing sample summaries by statistical area

AREA: 27 - QUATSINO SOUND
SAMPLE NUMBERS: 23, 6, 27, 85, 76, 16,
SOURCE: TEST FISHERY
GEAR: HERRING SEINE
DATE: FEB 28/97 - MAR 13/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	23	441	42	9	23	27	9	0	0	26	600
% AT AGE	0.00	4.01	76.83	7.32	1.57	4.01	4.70	1.57	0.00	0.00	0.00	100.00
LENGTH - MEAN(mm)	0.00	152.48	177.33	194.67	206.78	209.83	216.07	222.00	0.00	0.00	175.46	181.61
- STD. DEV.	0.00	12.67	9.67	12.02	6.78	11.58	8.41	10.75	0.00	0.00	16.81	16.86
WEIGHT - MEAN(gm)	0.00	47.61	82.05	109.17	132.78	133.57	149.37	157.89	0.00	0.00	79.85	89.43
- STD. DEV.	0.00	11.92	15.03	18.31	19.75	24.17	19.06	31.40	0.00	0.00	29.43	27.57

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	1	0	1	79	447	69	3	0	0
% AT STAGE	0.17	0.00	0.17	13.17	74.50	11.50	0.50	0.00	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	30	217	1	248
%	12.10	87.50	0.40	100.00
% SAMPLE WEIGHT	2.11	23.79	0.00	25.91

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	351	248	1	600
%	58.50	41.33	0.17	100.00
MEAN WEIGHT	86.23	94.22	30.00	89.43
% SAMP. WT.	56.40	43.54	0.06	100.00

Table 14. NTC sample summaries by section

SECTION: 232 - MACOAH PASS
SAMPLE NUMBERS: 2,167, 26, 37, 32, 10,226,229, 18,209,
164, 7,208,239,158,238,157,217,144, 4,
242,214,203,234,168,235,154,
SOURCE: OTHER
GEAR: OTHER SEINE
DATE: MAR 11/97 - MAR 16/97

SPECIMENS AT EACH AGE:

	AGE											
	0+	1+	2+	3+	4+	5+	6+	7+	8+	9+	UNKNOWN	TOTAL
NO. AT AGE	0	131	1866	208	84	111	85	77	16	7	114	2699
% AT AGE	0.00	5.07	72.19	8.05	3.25	4.29	3.29	2.98	0.62	0.27	0.00	100.00
LENGTH - MEAN(mm)	0.00	159.71	181.35	190.08	206.17	215.22	224.16	226.45	228.06	226.57	191.80	186.61
- STD. DEV.	0.00	11.08	11.00	10.71	11.35	8.94	8.77	8.33	6.57	5.86	23.10	18.40
WEIGHT - MEAN(gm)	0.00	56.21	81.69	93.60	123.87	139.46	159.13	164.52	165.44	160.00	101.35	91.39
- STD. DEV.	0.00	12.52	16.81	18.38	23.93	25.42	22.56	24.56	26.89	20.21	39.18	31.22

HJORT MATURITY STAGES:

	MATURITY STAGE								
	1	2	3	4	5	6	7	8	UNKNOWN
NO. AT STAGE	0	2	5	47	1053	1001	536	55	0
% AT STAGE	0.00	0.07	0.19	1.74	39.01	37.09	19.86	2.04	0.00

ROE MATURITY (FEMALE):

	IMMATURE	MATURE	SPENT	TOTAL
NO.	8	937	242	1187
%	0.67	78.94	20.39	100.00
% SAMPLE WEIGHT	0.04	19.56	0.06	19.65

SEX RATIO:

	MALE	FEMALE	IMMATURE	TOTAL
NO.	1509	1187	3	2699
%	55.91	43.98	0.11	100.00
MEAN WEIGHT	85.27	99.24	66.33	91.39
% SAMP. WT.	52.16	47.76	0.08	100.00

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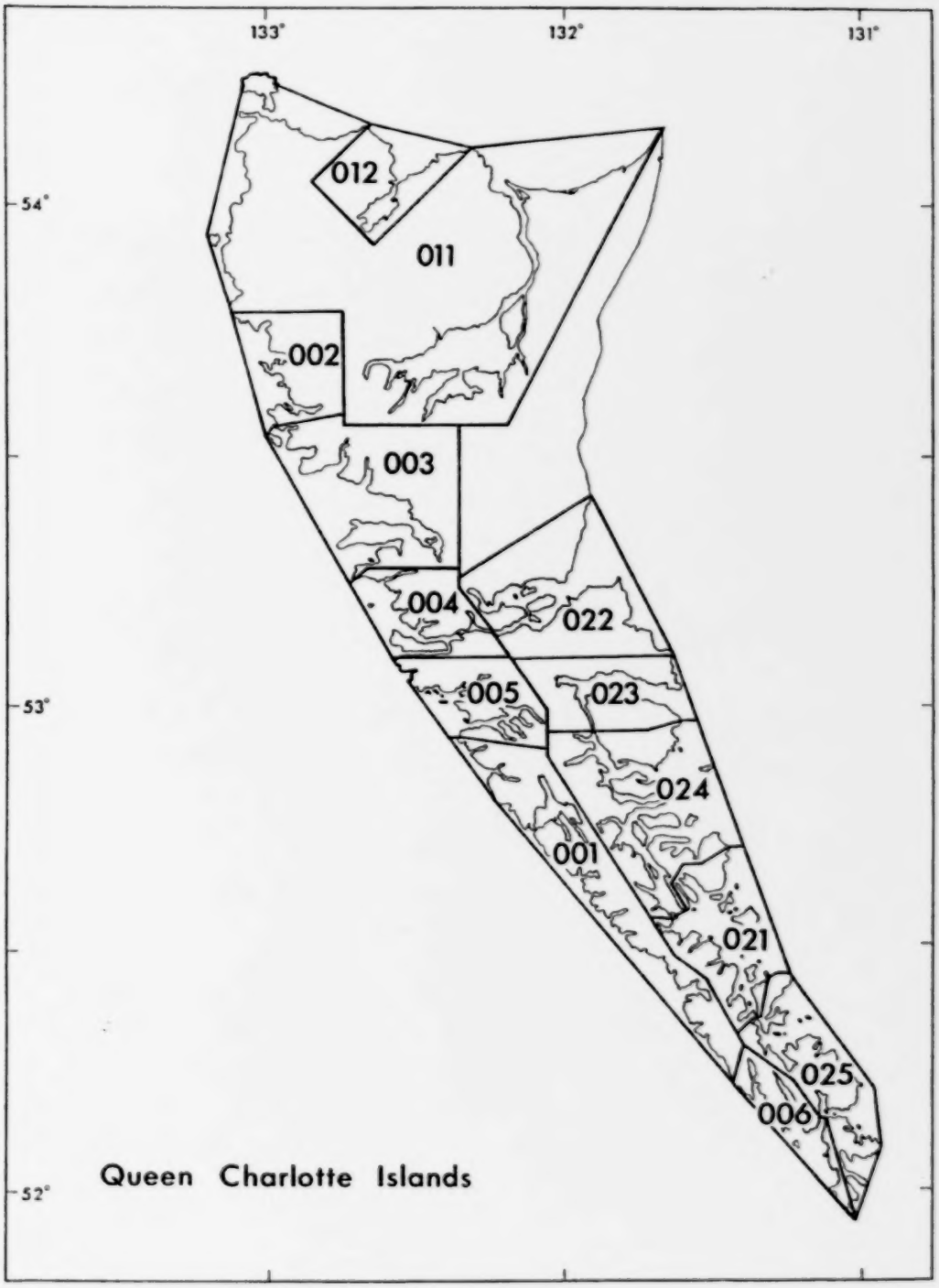

Fig. 1. Herring sections in the Queen Charlotte Islands region.

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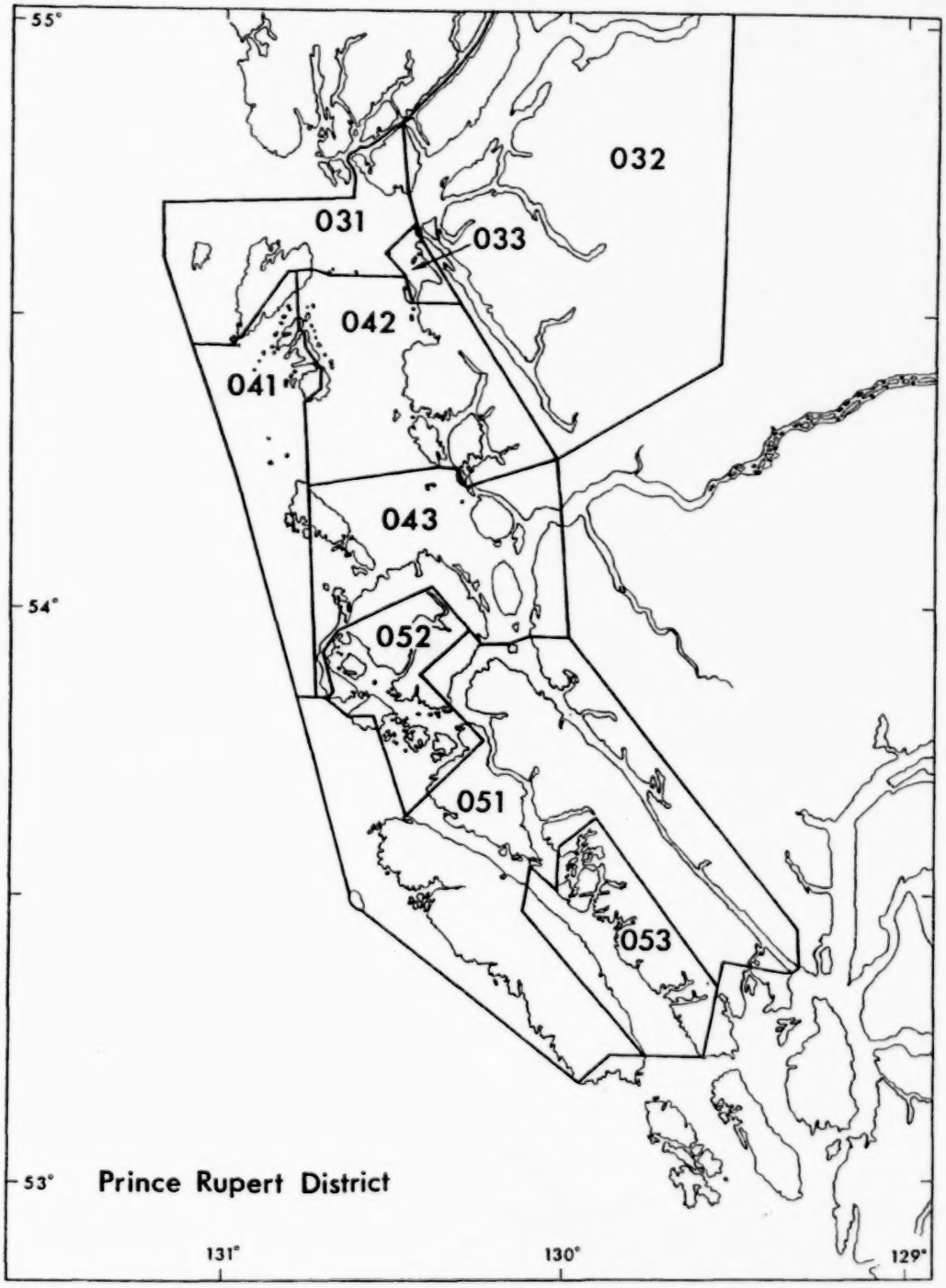

Fig. 2. Herring sections in the Prince Rupert District region.

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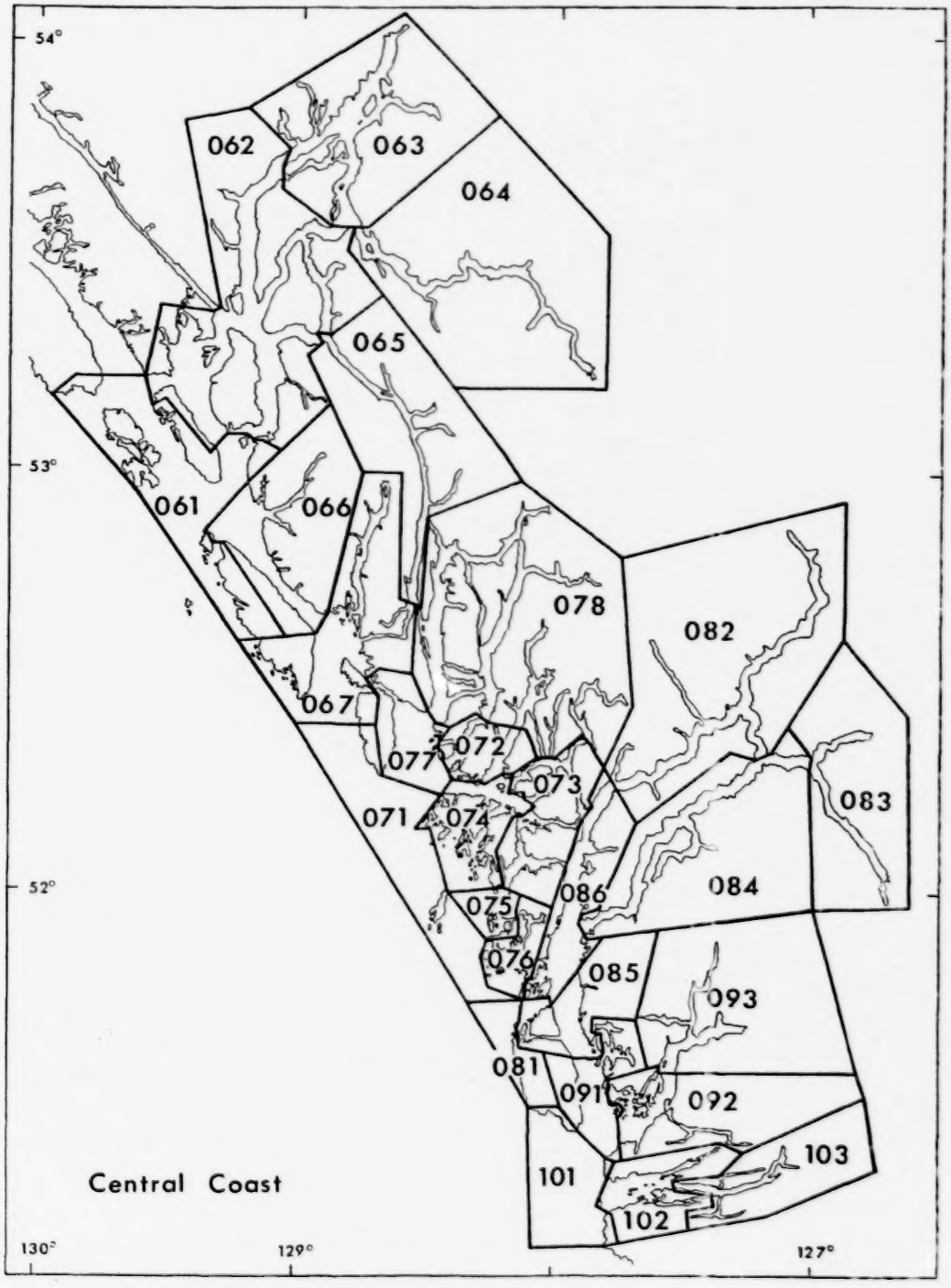

Fig. 3. Herring sections in the Central Coast region.

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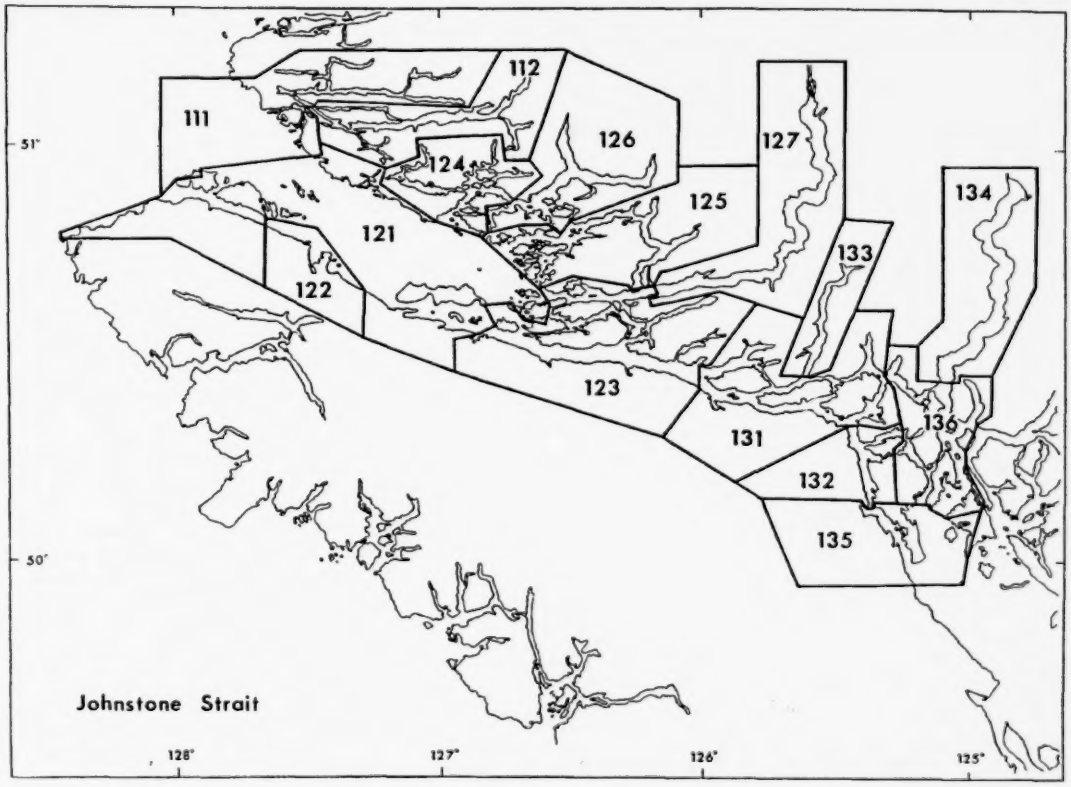

Fig. 4. Herring sections in the Johnstone Strait region.

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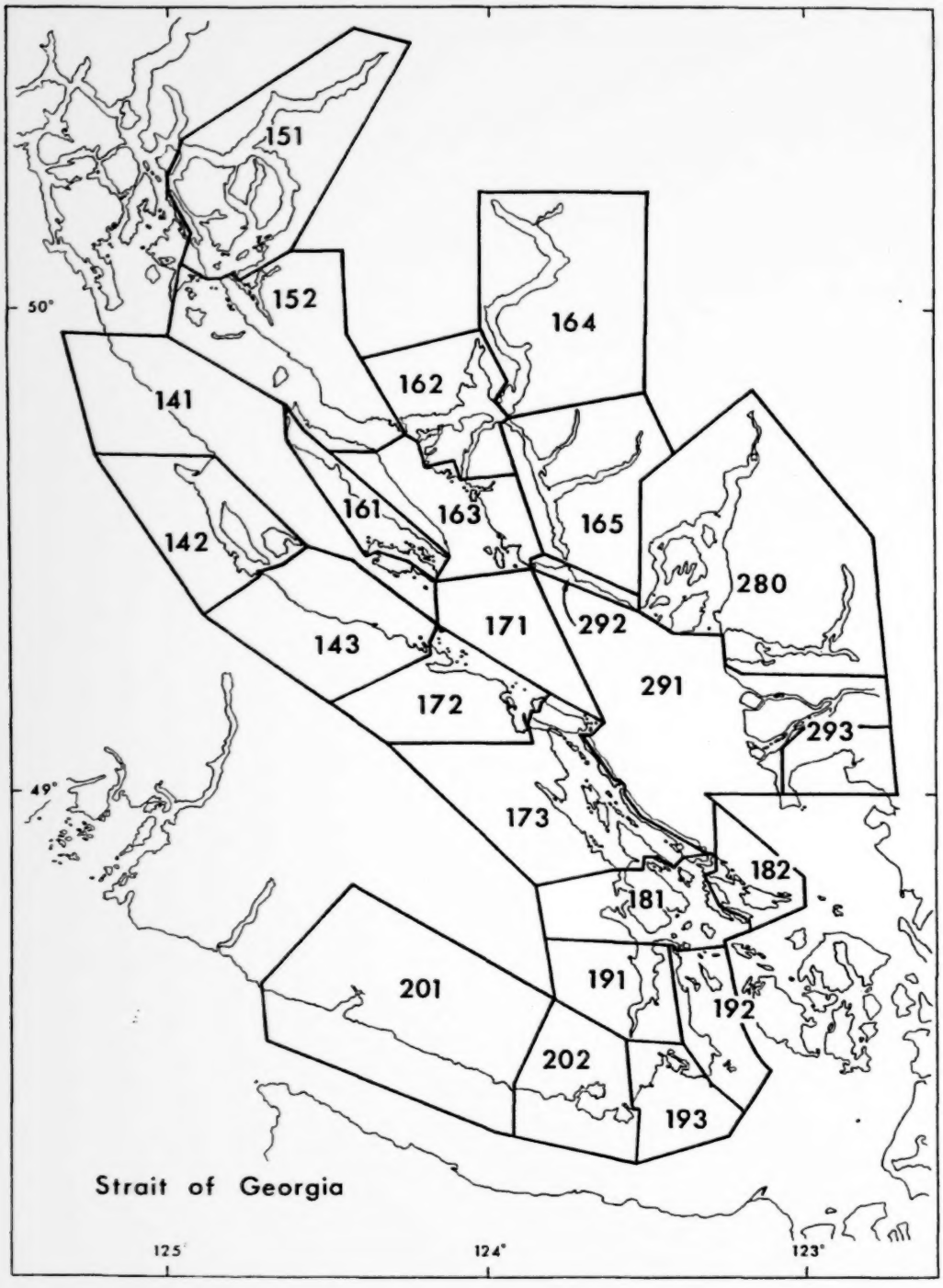

Fig. 5. Herring sections in the Strait of Georgia region.

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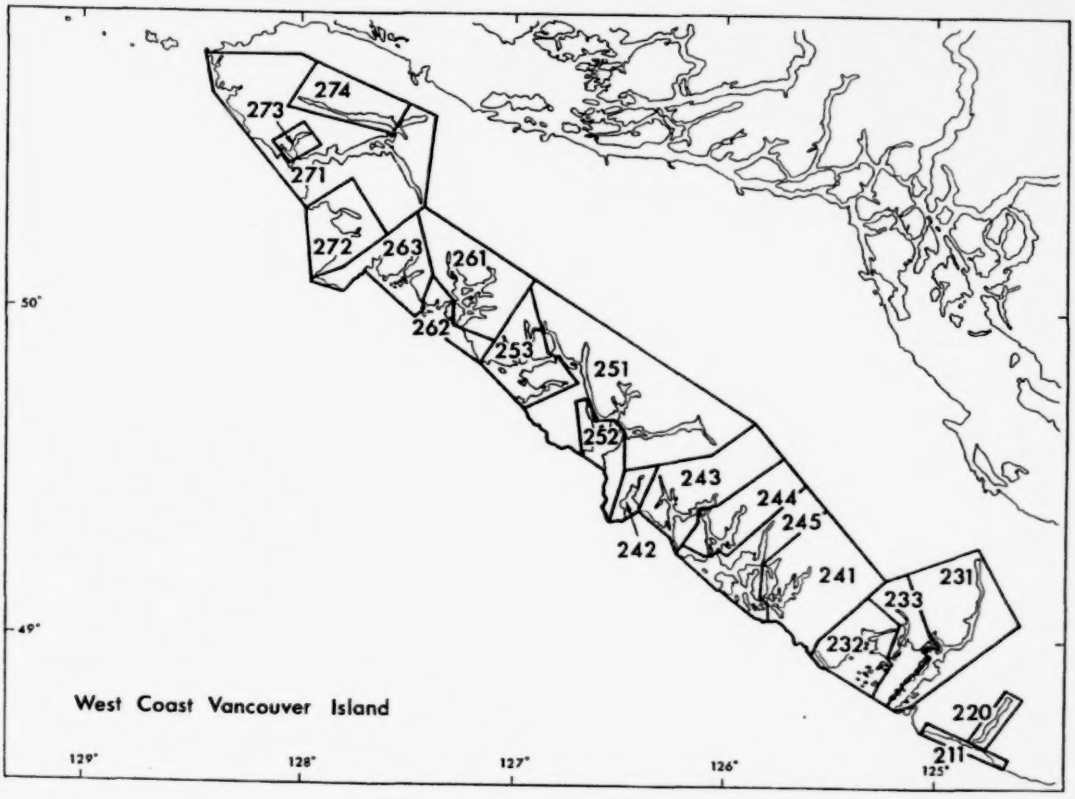

Fig. 6. Herring sections in the west coast of Vancouver Island region.

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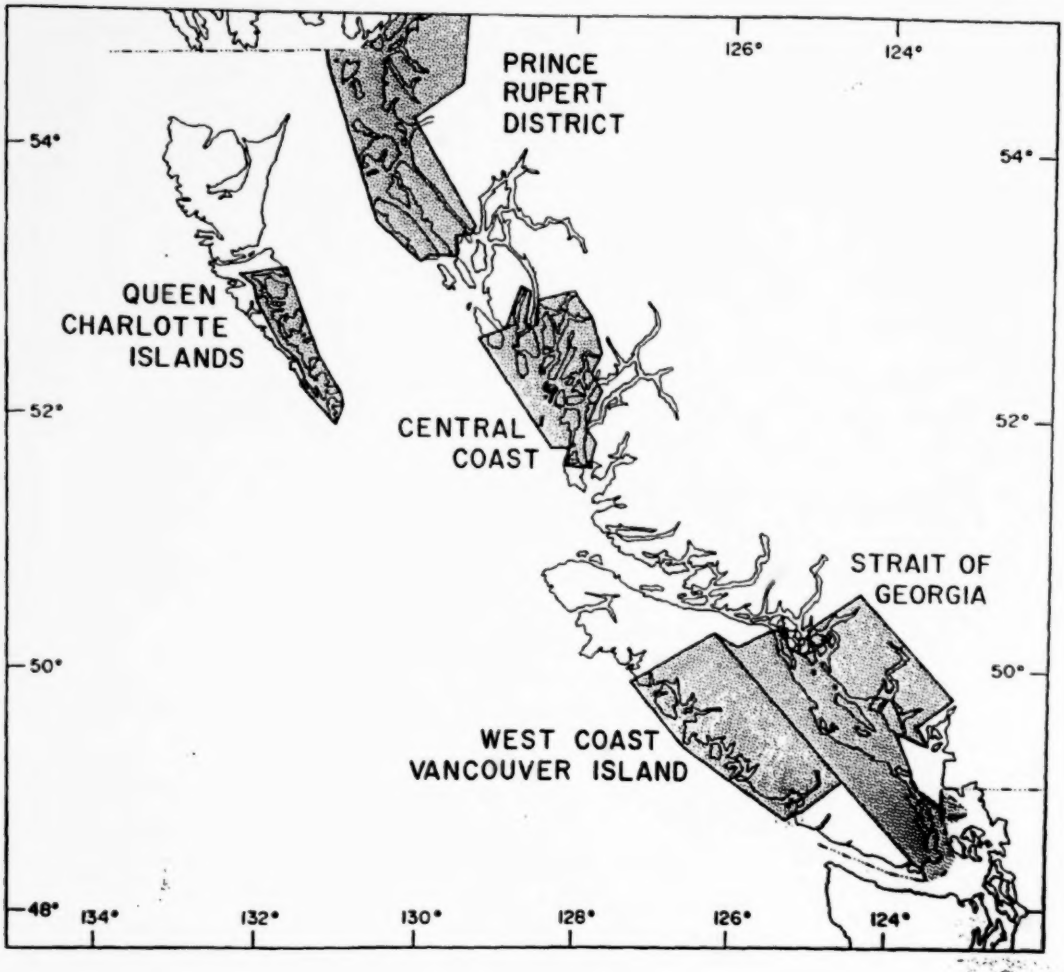

Fig. 7. Stock assessment regions in British Columbia.